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Sequence 393, App
Sequence 392, App
Sequence 392, App
Sequence 315, App
Sequence 415, App
Sequence 24, App1
Sequence 24, App1
Sequence 2, App1i
Sequence 6, App1i
Sequence 6, App1i
Sequence 6, App1i
Sequence 6, App1i
                                                                                                                                                  April 19, 2005, 06:25:30 ; Search time 28 Seconds (without alignments) 751.823 Million cell updates/sec
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.: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
.: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-09-910-174B-12
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US-09-667-857-393
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US-09-50-174B-24
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28 207.5 14.5 319 4 US-09-620-461-12 29 207.5 14.5 342 2 US-08-724.394A-6 31 207.5 14.5 357 4 US-09-910-174B-14 32 204 14.3 290 4 US-09-910-174B-19 33 204 14.3 290 4 US-09-620-461-19 34 204 14.3 350 4 US-09-620-461-19 35 204 14.3 350 4 US-09-620-461-19 36 204 14.3 350 4 US-09-620-461-17 37 199.5 13.9 290 4 US-09-910-174B-17 38 199.5 13.9 290 4 US-09-650-23 39 199.5 13.9 290 4 US-09-650-23 40 196 13.7 296 4 US-09-667-135-36 41 193 13.5 52.7 4 US-09-610-174B-10 42 193 13.5 52.7 4 US-09-610-174B-10 43 13.5 32.9 4 US-09-610-174B-10 44 192 13.4 32.9 4 US-09-610-174B-8 45 188.5 13.2 290 4 US-09-611-10	Sequence 12, Appl	Sequence 6, Appli	Sequence 14, Appl	Sequence 14, Appl	Sequence 19, Appl	Sequence 19, Appl	Sequence 25, Appl	Sequence 17, Appl	Sequence 17, Appl	32,	Sequence 3, Appli	Sequence 23, Appl			Sequence 10, Appl	18	Sequence 6, Appli	Sequence 8, Appli	
207.5 14.5 319 207.5 14.5 342 207.5 14.5 342 207.5 14.3 357 204 14.3 350 204 14.3 350 204 14.3 350 199.5 13.9 290 199.5 13.9 290 199.5 13.9 290 199.5 13.9 290 199.5 13.9 290 199.5 13.9 290 198.5 13.5 527 192 13.4 329	US-09-620-461-12	US-08-724-394A-6	US-09-910-174B-14	US-09-620-461-14	US-09-910-174B-19	US-09-620-461-19	US-09-651-200-25	US-09-910-174B-17	US-09-620-461-17	US-09-910-174B-32	US-09-451-291-3	US-09-645-069-23	US-09-667-135-36	US-09-910-174B-10	US-09-620-461-10	US-09-651-200-18	US-09-303-040-6	US-09-910-174B-8	
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ALIGNMENTS

RESULT 1 15.09-404-8179A-393 15.09-404-8179A-393 15.09-404-8179A-393 15.09-404-8179A-393 15.09-404-8179A-393 15.00-60-60-60-60-60-60-60-60-60-60-60-60-6

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RESULT 2 US-09-667-857-393 ; Sequence 333, Application US/09667857 ; Patent No. 6699664

Sequence

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APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Retter, Marc W.
APPLICANT: Retter, Marc W.
APPLICANT: Rede, Steven G.
APPLICANT: Carter, Darrick
APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C5
CURRENT APPLICATION NUMBER: US/09/667,857
CURRENT APPLICATION NUMBER: 200-09-20
NUMBER OF SEQ ID NOS: 455
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 393
LENGTH: 282
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Best Local Similarity 100.0%; Pred. No. 2.5e-138;
Matches 282; Conservative 0; Mismatches 0; Indels 0
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ORGANISM: Homo sapiens
US-09-667-857-393
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claim sead of 390 Sequence 392, Application US/09404879A

Sequence 392, Application US/09404879A

Sequence 392, Application US/09404879A

Sequence 392, Application US/09404879A

Sequence 302, Application US/09404

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Might Gordon E.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIARNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.4622

CURRENT APPLICATION NUMBER: US/09/404,879A

CURRENT FILING DATE: 1999-09-24

NUMBER OF SEQ ID NOS: 393

NUMBER OF SEQ ID NOS: 393

SOFTWARE: FastSEQ for Mindows Version 3.0 LENGTH: 309 TYPE: PRT ORGANISM: Homo sapiens US-09-404-879A-392 US-09-404-879A-392 SEQ ID NO 392

268

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Gaps

Query Match 100.0%; Score 1431; DB 4; Length 309; Best Local Similarity 100.0%; Pred. No. 2.8e-138; Matches 282; Conservative 0; Mismatches 0; Indels 0

88 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 147 180 WASOVDOGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 147 148 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 207 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 208 WASQVDQGANFSEVSNTSFELNSENVTWKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 267 120 148 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 207 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 9 28 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 87 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 28 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFFEP 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTIVASAGNIGEDGILSCTFEP APPLICANT: MICCHAIN, CHAILLIEF L.,
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Ring, Steven P.
APPLICANT: Retter, Marc W.
APPLICANT: Retter, Marc W.
APPLICANT: Reed, Steven G.
APPLICANT: Reed, Steven G.
APPLICANT: Reed, Steven G.
APPLICANT: Carter, Darrick
TITLE OF INVENTION: DARGNOSIS OF OVARIAN CANCER
FILE REPERENCE: 210121.46225
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 455
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 455
SOFTWARE: PASTSEQ for Windows Version 3.0 ; 0 Length 309; TESEIKRRSHLÖLLNSKASLCVSSFFAISWALLPLSPYLMLK 309 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 309 241 TESEIKRRSHLÖLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 Query Match 100.0%; Score 1431; DB 4; Best Local Similarity 100.0%; Pred. No. 2.8e-138; Matches 282; Conservative 0; Mismatches 0; Sequence 392, Application US/09667857 Patent No. 6699664 GENERAL INFORMATION: APPLICANT: Mitcham, Jennifer L. TYPE: PRT ORGANISM: Homo sapiens US-09-667-857-392 -09-667-857-392 88 121 181 268 181 241 a a g d ò g 8 셤 ò 8 g ઠે a ò ઠ ò ò

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; ORGANISM: Homo sapiens
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Sequence 24, Application US/09910174B

Patent No. 6630575

GENERAL INFORMATION:

APPLICANT: COLFLe, Anthony J.

APPLICANT: Exaser, Christopher C.

APPLICANT: Manning, Stephen

TITLE OF INVENTION: Family and Uses Thereof

TITLE OF INVENTION: Family and Uses Thereof

CURRENT APPLICATION WUMBER: US/09/910,174B

CURRENT FILING DATE: 2001-07-20

PRIOR APPLICATION WUMBER: US 09/620,461

PRIOR FILING DATE: 2000-07-20

NUMBER OF SEQ ID NOS: 32

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 24
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Sequence 405.43.43

Patent No. 6699664

GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Migate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Retter, Marc M.
APPLICANT: Retter, Marc M.
APPLICANT: Retter, Marc M.
APPLICANT: Retter, Marc M.
APPLICANT: Red, Steven G.
APPLICANT: Carter, Darie, Thomas S.
APPLICANT: Carter, Darie, Thomas S.
APPLICANT: Carter, Darie, Compositions of Ovarian Cancer, John S.
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER;
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER;
TITLE OF SEPLICATION NUMBER: US/09/667,857

CURRENT APPLICATION NUMBER: US/09/667,857

NUMBER OF SEQ ID NOS: 455

SEQ ID NOS: 455

SEQ ID NOS: 455

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ORGANISM: Homo sapiens
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75 LVHSFAEGQD----QGSAYANRTALFPDLLAQGNASLRLQRVRVADEGSFTCF-VSIRDF 129
                                                          139 GNANLEYKTGA-FSMPEVNVDYN----ASSETLRCEAPRWFPQPTVVWASQVDQGANFS 192
                                                                                             79 LVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGK 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             139 GNANLEYKTGA-FSMPEVNVDYN----ASSETLRCEAPRWFPQPTVVWASQVDQGANFS 192
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US-09-651-200-2

; Sequence 2, Application US/09651200

; Betent No. 642303

; GENERAL INFORMATION:

; APPLICANT: Green et al

; TITLE OF INVENTION: Polymucleotides Encoding Members of the Human B

; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

; TITLE OF INVENTION: Polypeptides Encoded Thereby

; TITLE OF INVENTION: Polypeptides Encoded Thereby

; FILE REPERENCE: 1596-562 (CURA-62)

; CURRENT APPLICATION NUMBER: US/09/651,200

; CURRENT FILING DATE: 1999-109-03

; PRIOR APPLICATION NUMBER: 60/152383

; PRIOR PILING DATE: 1999-12-21

; PRIOR FILING DATE: 2000-02-18

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: PatentIn Ver. 2.0
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                                                                                                                                                                                                               GNVTTS-QMANEQGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVTIT 238
                                                                                                                                                                             193 EVSNTSFELNSENVTMKVVSVLYNVT-INNTYSCMIENDIAK--ATGDIKVT 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    193 EVSNTSFELNSENVTMKVVSVLYNVT-INNTYSCMIENDIAK--ATGDIKVT 241
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                                                                                                                                                                                                                                                                                                                                                                           Sequence 24, Application US/09620461
Patent No. 6635750
GENERAL INFORMATION:
APPLICANT: COYle, Anthony J.
APPLICANT: Fraser, Christopher C.
APPLICANT: Manning, Stephen
TITLE OF INVENTION: B7-H2 Molecules, No. 66357
TITLE OF INVENTION: Family and Uses Thereof
TITLE OF INVENTION: Family and Uses Thereof
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 29
SOUTH OF SEQ ID NOS: 29
SEQ ID NOS: 29
SEQ ID NOS: 29
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US-09-651-200-6
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166
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LSCTF--EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          112 NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN----ASSET 165
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                                                                                                                                                                                                                                                                                                                             LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
                                                                                                                                                                                                                                                                                                                                                                                              LSCTF - - EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
                                                                                                                                                                                                                                                          GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION: Polymototides Encoding Members of the Human B

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polympeptides Encoded Thereby

FILE REFERENCE: 15966-562 (CURA-62)

CURRENT APPLICATION NUMBER: US/09/651,200

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/152383

PRIOR PILING DATE: 1999-12-21

PRIOR APPLICATION NUMBER: 60/17209

PRIOR APPLICATION NUMBER: 60/183578

PRIOR PILING DATE: 1999-12-21

PRIOR APPLICATION NUMBER: 60/183578

SPRIOR PILING DATE: 2000-02-18

NUMBER OF SEQ ID NOS: 25

SEQ ID NO 4: IEMACHU. 2.0
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                                                                                                    Length 340;
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17.1%; Score 245; DB 4; Length 44
Best Local Similarity 27.8%; Pred. No. 2.2e-16;
Matches 72; Conservative 50; Mismatches 101; Indels
                                                                                                                                     50; Mismatches 101; Indels
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                                                                                             unery Match 17.1%; Score 245; DB 4;
Best Local Similarity 27.8%; Pred. No. 1.4e-16;
Matches 72; Conservative 50; Mismatches 101
                                                                                                                                                                       11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4, Application US/09651200 Patent No. 6429303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   244 CLVRNPVLQQDAHGSVTIT 262
                                                                                                                                                                                                                                                                                                                                                                                                                                               CMIENDIAK -- ATGDIKVT 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Homo sapiens
                                      TYPE: PRT
ORGANISM: Homo sapiens
US-09-651-200-2
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US-09-651-200-4
       SEQ ID NO 2
LENGTH: 340
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LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
                                   288 IICSSYRGYPEAEVFW--QDGQGVPLTGNVTTS-QMANEQGLFDVHSVLRVVLGANGTYS 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         112 NASLRLKNVOLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN----ASSET
                                                                                                                                                                                                                                                                                      Sequence 6, Application US/09651200
; Sequence 6, Application US/09651200
; Patent No. 642303
; Patent No. 642303
; GRUERAL INFORMATION:
; APPLICANT: Green et al.; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and TITLE OF INVENTION: POlypeptides Encoded Thereby
; FILE REFERENCE: 1596-5-52 (CURA-62)
; CURRENT APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-10-3
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR APPLICATION NUMBER: 60/183578
; NUMBER OF SEQ ID NOS: 25
; SOFWMARE: PatentIn Ver. 2.0
; SRO ID NO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-651-200-24

US-09-651-200-24

Sequence 24, Application US/09651200

Patent No. 6429303

GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: DATE: 15966-562 (CURA-62)

CURRENT APPLICATION NUMBER: US/09/651,200

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/152383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 534;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17.1%; Score 245; DB 4; Length 53
27.8%; Pred. No. 2.9e-16;
Live 50; Mismatches 101; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 SIISIIIILAGAIALIIGFGI---SGRHSIIVTTVAS---
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                                                                                                                      225 CMIENDIAK--ATGDIKVT 241
                                                                                                                                                            345 CLVRNPVLQQDAHGSVTIT 363
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Best Local Similarity
Matches 72; Conserv
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127
       64 NLIWQLTDTKQLVHSFTEGRD----QGSAYSNRTALFPDLLVQGNASLRLQRVRVTDEGS 119
                                                                             128 YKCYIITSKGKGNANLEYKTGAFSMPEVNVDYN----ASSETLRCEAPRWFPQPTVVWA 182
                                                                                                         183 SQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYSCMIENDIAK--ATGDIK 239
                                                                                                                                                                                              ---KDGGGVPLTGNVTSQMANERGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVT 235
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ---KDGQGVPLTGNVTSQMANERGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVT 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              63
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Coyle, Anthony J.
APPLICANT: Fraser, Christopher C.
APPLICANT: Fraser, Christopher C.
APPLICANT: Fraser, Christopher C.
APPLICANT: Manning, Stephen
TITLE OF INVENTION: Panily and Uses Thereof
FILE REFERENCE: 5800-149
CURRENT APPLICATION NUMBER: US/09/620,461
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 29
SOFTWARE: FastSEQ for Windows Version 3.0
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Patent No. 6630575
GENERAL INFORMATION:
APPLICANT: Craser, Christopher C.
APPLICANT: Manning, Stephen
TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the little OF INVENTION: Pamily and Uses Thereof
FILE REFERENCE: 35800/236924
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Patent No. 6635750
GENERAL INFORMATION:
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Best Local Similarity
Matches 65; Conserv
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236 IT 237
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236 IT 237
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US-09-620-461-28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            266 LRCSFSPEPGFSLAQLNLIWQLTDTXQLVHSFTEGRD----QGSAYANRTALFPDLLAQG 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               68 VIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGT 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -- AGNIGEDGI 53
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                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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APPLICANT: Fraser, Christopher C.
APPLICANT: Fraser, Christopher C.
APPLICANT: Manning, Stepher C.
APPLICANT: Manning, Stepher C.
APPLICANT: Manning, Stepher C.
APPLICANT: Manning, Stepher C.
TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the I
TITLE OF INVENTION: Family and Uses Thereof
FILE REPERBUCE: 3800/236924
CURRENT APPLICATION NUMBER: US/09/910,174B
PRIOR APPLICATION NUMBER: US 09/620,461
PRIOR PILING DATE: 2001-07-20
PRIOR PILING DATE: 2000-07-20
SPOIN STOR FILING DATE: 2000-07-20
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                           36;
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                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Description of Unknown Organism: Sequence; OTHER INFORMATION: mz5020.protein from Pigure 4.
US-09-651-200-24
                                                                                                                                                                                                                                                                                                                                                                             Length 534;
                                                                                                                                                                                                                                                                                                                                                                        Query Match 17.1%; Score 245; DB 4; Length 53 Best Local Similarity 27.8%; Pred. No. 2.9e-16; Matches 72; Conservative 50; Mismatches 101; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
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larity 26.9%; Pred. No. 5.9e-16;
Conservative 46; Mismatches 112;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS-
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/172909
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/183578
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PATENTIN VEY: 2.0
SEQ ID NO 24
LENGTH: 534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28, Application US/09910174B Patent No. 6630575 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CMIENDIAK--ATGDIKVT 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |:: | :: | :: |
438 CLVRNPVLQQDAHGSVTIT 456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Mus musculus
US-09-910-174B-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 65; Conserva
                                                                                                                                                                                                                                    ORGANISM: Unknown
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151 SMPEVNVD---YNASSETLRCEAPRWFPOPTVVWASQVDQGANFSEVSNTSFELNSENVT 207
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 147 G-SDLHVDVKGYKDGGIHLECRSTGWYPQPQIQWSN--NKGEN---IPTVEAPVVADGVG 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            151 SMPEVNVD---YNASSETLRCEAPRWFPOPTVVWASQVDQGANFSEVSNTSFELNSENVT 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      147 G-SDLHVDVKGYKDGGIHLECRSTGWYPQPQIQWSN--NKGEN---IPTVBAPVVADGVG 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ----RSSLIGLEKTASISIADP 240
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                208 MKVV--SVLYNVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLOLLNSKASLCVSS- 264
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                                                                                                                                                                                                                                                                                                                                                                                                         27 HSAQFSVLGPSGPILAMVGEDADLPCHLFPTMSAETMELKWVSSSLRQVVNVYADGKEVE 86
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                                                                                                                                                                                                                                                                     Length 513;
                                                                                                                                                                                                                                                                         ; Score 223; DB 4; Length 513; Pred. No. 5e-14; 44; Mismatches 108; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              44; Mismatches 108; Indels
                                                                                                                                                                                                                                                                       DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Coyle, Anthony J.
APPLICANT: Fraer, Christopher C.
APPLICANT: Fraer, Christopher C.
TITLE OF INVENTION: B7-H2 Molecules, No. 66357
TITLE OF INVENTION: Family and Uses Thereof
FILE REFERENCE: 5800-149
CURRENT APPLICATION NUMBER: US/09/620,461
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 29
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 18
LENGTH: 513
CURRENT APPLICATION NUMBER: US/09/910,174B
- CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US 09/620,461
PRIOR FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 18
LENGTH: 513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            201 LYAVAASVIMRGSSGEGVSCTI----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        265 FF--AISW--ALLPLSPYLML 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               241 FFRSAQRWIAALARTLPVLLL 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 18, Application US/09620461 Patent No. 6635750 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                            15.6%;
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Best Local Similarity 26.44
Matches 69; Conservative
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Best Local Similarity 26.4
Matches 69; Conservative
                                                                                                                                                                                      ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-174B-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Homo sapiens
US-09-620-461-18
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δλ	208 MKVVSVLYNVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLQLLNSKASLCVSS- 264	264
qq	201 LYAVAASVIMRGSSGEGVSCTIRSSLLGLEKTASISIADP 240	240
δy	265 FPAISWALLPLSPYLML 281	
Dp	241 FFRSAQRWIAALARTLPVLLL 261	
Search Co	Search completed: April 19, 2005, 07:17:34 Job time : 30 secs	

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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OM protein - protein search, using sw model

Run on:

April 19, 2005, 04:13:09; Search time 85 Seconds (without alignments) 1698.898 Million cell updates/sec

US-10-773-715-6 1431 1 MASLGQILFWSIISIIIILA......SSFFAISWALLPLSPYLMLK 282

Title: Perfect score: Sequence:

Scoring table:

1612378 segs, 512079187 residues BLOSUM62 Gapop 10.0 , Gapext 0.5 Searched:

1612378 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

UniProt_03:*
1: uniprot_sprot:*
2: uniprot_trembl:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		Description	homo	рошо	O7tph5 mus musculu	Q7tsp5 mus musculu	Q8k091 mus musculu	Q6p097 homo sapien		Q640s5 xenopus tro			Q6dj75 xenopus tro	Q9bxr1 homo sapien	homo	рошо	homod	homo	homo	Q8ve98 mus musculu	Q7tpb4 rattus norv	homod	homo	homo	homo	homo	homo	homo	O46535 bos taurus	073716 grus americ	Q9be26 macaca fasc	bos t	P78409 homo sapien
SUMMAKIES		. ai	Q7Z7D3	Фэнев2	Q7TPH5	Q7TSP5	Q8K091		Q7ZY30	Q640S5	Q8AW1	Q640J0	Q6DJ75	Q9BXR1	Q8NC34	Q6P5Y4	Q8NCB6	Q8NBI8	Q6UX12	Q8VE98	Q7TPB4	Q6UXE8	90mn60	Q9UM44	Q9HCY1	000481	Q9H730	Q6UX41	046535	073716	Q9BE26	BUTY_BOVIN	P78409
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		Match Length	282	282	283	283	283	187	285	276	275	465	305	316	388	493	533	534	316	316	316	466	220	414	495	513	347	200	286	280	304	526	731
di	Query	Match	100.0	99.6	88.2	87.9	87.6	6.99	35.8	34.5	31.3	19.3	17.9	17.2	17.1	17.1	17.1	17.1	16.8	16.4	16.2	15.8	15.7	15.7	15.6	15.6	15.5	15.5	15.3	15.2	15.1	15.1	15.1
		Score	1431	1425	1261.5	1257.5	1253.5	958	512	493.5	448	276	255.5	246.5	245	245	245	. 245	240.5	235	232	225.5	225	225	223	223	222.5	222.5	219.5	217	215.5	215.5	215.5
	Result	No.	1	7	æ	4	S	9	7	00	σ	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	29	30	31

homod		homo homo	O15338 homo sapien P78410 homo sapien Q99420 homo sapien		
O00478 BUTY_HUMAN	Q9H458 Q9NR44 Q00477	Q9BU81 Q76PA0	O15338 P78410 Q99420	Q9EP73 Q8C0U8 O42404	Q9JK39
211	000	000	000	~ ~ ~	7
584	526 334 319	332	357 359 350	290 492 296	275
- 14.9 14.9	14.6 14.6 14.5	14.5	14 14 14 15 15 15	13.9	13.7
213.5	209.5 208.5 207.5	207.5	207.5 207.5 204.	199.5 196.5 196	195.5
333	3 3 4 6 5 6	38	8 4 4 0 0 1	4 4 4 2 2 4 4	45

ALIGNMENTS

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
Okitani R., Ota T., Suzuki Y., Iosogai T., Sugano S.,
Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
EMBL, AKO26071; BAB15349.1; -.
HSSP, Q63345; IPKO.
InterPro; IPR003599; Ig.
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Krzywinski M.I., Skalska U., Schmutz J., Myers R.M., Butterfield Y.S., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J., Marra M.A.;
                                                                                                                                                                                                                                                                                                                                                                                                   1 MASLGQILFWSIISIIIILAGALALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                                                                                                                                                                                                                                                              Gaps
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                            ó
                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 1431; DB 2; Length 282; 100.0%; Pred. No. 1.5e-107; ive 0; Mismatches 0; Indels 0
                                                                                                                                                                                                           Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL, AY280972, AAP37283.1; -.
EMBL, AY346100, AAQ24206.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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                                                                                                                                                                                                                                               EMBL; AY358352; AAQ88718.1; -.
EMBL; BC074729; AAH74729.1; -.
HSSP; Q63345; 1PKO.
InterPro; IPRO07110; Ig-like.
PROSITE; PS50835; IG LIKE, 2.
SEQUENCE 282 AA; 30878 MW; 1C9C565A9242E78C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q9H6B2;
01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-MCT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein FLJ22418.
Homo sapiens (Human).
                                                                                                                                 and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      282 AA
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                                                                                                                                                                                       TISSUE=Brain;
Director MGC Project;
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Matches 282; Conserv
                                                                                                                                                                         SEQUENCE FROM N.A.
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121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE-22703430; PubMed=12818166; DOI=10.1016/S1074-7613(03)00147-X; Prasad D.V., Richards S., Mai X.M., Dong C.; "B7S1, a novel B7 family member that negatively regulates T cell
                                                                                                                                                                                           1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                                                                                                    61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                                                                                                                                                                                                                         121 OLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
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                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mus musculus (Mouse).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus
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                                                                                                           Length 282;
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InterPro; IPR007110; Ig-like.
SWART; SMO4009; IG; Il.
PROSITE; PS50835; IG LIKE; 2.
SEQUENCE 283 AA; 30847 MW; A97F17461857850B CRC64;
                                                                  6F9066999A1E9DB4 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         241 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Created)
Last sequence update)
Last annotation update)
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88.2%; Score 1261.5; DB 2;
Best Local Similarity 88.0%; Pred. No. 8e-94;
Matches 249; Conservative 13; Mismatches 20;
                                                                                                                                                      1;
                                                                                                         Score 1425; DB 2;
Pred. No. 4.7e-107;
                                                                                                99.6%; Pred. No. ...
99.6%; Pred. No. ...
InterPro; IPR007110; Ig-like.
SMART; SM00409; IG; 1.
PROSITE; PS50835; IG LIKE; 2.
SEQUENCE 282 AA; 30893 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-OCT-2003 (TrEMBLrel. 25, 01-OCT-2003 (TrEMBLrel. 25, 01-MAR-2004 (TrEMBLrel. 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Immunity 18:863-873(2003).
EMBL; AY322147; AAP88965.1;
HSSP; Q63345; 1PKO.
                                                                                                             Query Match
Best Local Similarity 99.6'
Matches 281; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  [1]
SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=10090;
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DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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                                                                                                                                                                                                                                                                                                                                                                         01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Immune costimulatory protein B7-H4 (T cell costimulatory molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100; Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.; "B7x: a widely expressed B7 family member that inhibits T cell activation.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura Chapoval A.I., Flies D.B., Bajorath J., Chen L.;
Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21; Indels
                                                                                                                                                   TESEIXRRSHLQLLNSKASLCV-SSFFAISWALLPLSPYLMLK 282
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EMBL; AY280973; AAP37284.1; -.
EMBL; AY346099; AAQ24205.1; -.
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01-OCT-2002 (TrEMBLrel. 22, Created)
                                                                                                                                                                                                                                                                                                                      PRT;
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InterPro; IPKO07110; Ig-like.
PROSITE; PSS0835; IG LIKE; 2.
SEQUENCE 283 AA; 30875 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 87.6
Matches 248; Conservative
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MEDILINE-2238825; PubMed=12477932; DOI=10.1073/pnas.242603899; MEDILINE-2238825; PubMed=12477932; DOI=10.1073/pnas.242603899; Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Schuler G.D., Strausberg R.L., Collins F.S., Wagner L., Shamen C.M., Schuler G.D., Altschul S.F., Zeeberg B., Buetcw K.H., Schaefer C.F., Bhat N.K., A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L., Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Schetz T.E., Bronsfein M.J., Ugdin T.B., Toshiyuki S., Carninci P., Prange C., Bronsfein M.J., Ugdin T.B., Toshiyuki S., Carninci P., Prange C., Bronsfein M.J., McKernan K.J., Malek J.A., Gunaratne P.H., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Pahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Boutfard G.G., Abrahesley R.W., Touchman J.W., Green E.D., Dickson M.C., Schmitz J., Myers R.W., Green E.D., Dickson M.C., Schmitz J., Myers R.M., Garlaka U., Skalaka U., Smailus D.E., Schnerch A., Schein J.E., "Generation and initial analysis of more than 15,000 full-length human mouse CDNA sequences."
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
BMBL; BC032925; AAH32925.1; -.
MGD; MGI:33039619; BC032925.
InterPro; IPR007110; Ig-1; e.
SMART; SM04007110; Ig-1; ke.
SMART; SM0409; IG, 1.
PROSITE; PS50835; IG_LIKE; 2.
SEQUENCE 283 AA; 30801 MW; 7E5817417323453B CRC64;
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01-OCT-2002 (TrEMBLrel. 22, Last sequence update) 01-MAR-2004 (TrEMBLrel. 26, Last annotation update) Immune costimulatory protein B7-H4.
                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                          NCBI_TaxID=10090;
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RESULT Q6P097 Craniata; Vertebrata; Euteleostomi;

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KEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
KIAUSHDER=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
KIAUSHDER R.D., Collins F.S., Wagner L., Shemen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Stapleton M., Soares M.B., Bonaldo M.F., Carainci P., Prange C.,
A Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
A Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
A Brownstein M.J., Woll T.B., Toshiyuki S., Carninci P., Prange C.,
A Raba S.S., McZwan P.J., McKernan K.J., Mallek J.A., Gunaratne P.H.,
A Boask S.A., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
A Rodriguez A.C., Galmwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
A Dones S.J., Marra M.J.,
A Marra M.J.,
A Marra M.J.,
A Marra M.J., Schmitz J., Myers R.M., Schein J.E.,
A dones S.J., Marra M.J.,
A malayer C.M. Smailus D.E., Schnerct, A., Schein J.E.,
A manner C.N.
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Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
Richardson P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       'Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                                                                Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleost
Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                       Name=LOC398470;
Xenopus laevis (African clawed frog)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PROSITE, PS50835; IG LIKE; 2.
protein (Fragment)
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Submitted (JAN-2003) to the
EMBL; BC044000; AAH44000.1;
HSSP; Q63345; 1PKO.
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Matches 105; Conservative
                                                                                                                                        Kenopodinae; Xenopus
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                                                                                                                                                                                                                         FROM N.A.
                                                                                                                                                                      NCBI_TaxID=8355;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 NVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLY 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLQLINSKASLCVSSFFAISWALLPL 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEV 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96 MFRGRIAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEV
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                                                                                                                                                                                                                         Eukaryorgani Melazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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100.0%; Pred. No. 1.7e-69;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Strausberg R.;
Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
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                                                                                      Last sequence update)
Last annotation update)
  187
                                                           Created)
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INLG-FPC; IPR007110; IG-LIKE.
PROSITE; PS50835; IG LIKE; 1.
SEQUENCE 187 AA; 20743 NW;
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Matches 187; Conservative
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  PRELIMINARY;
                             O6P097;
05-JUL-2004 (TrEMBLrel.
                                                                                                              05-JUL-2004 (TrEMBLrel.
B7-H4 protein.
Name=B7-H4;
                                                                                         (TrEMBLrel.
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                                                                                                                                                                                                       Homo sapiens (Human)
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01-JUN-2003 (
01-MAR-2004 (
                                                                                         05-JUL-2004
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187 SWVS--TSGTNLTNLTWITSFQ-PGLNRAVIVRSALREVQLDVQYICVINTELARAEGDAM 243
                                                                                                                                                                                                                                                                                                                                                                                                                        180 VWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIK 239
                                                                                                                                                                                                                                                                                                                                                                                                   60 PDIKLISDIVIQWIKEGVIGIVHEFKEGKDELSEQDEMFRGRIAVFADQVIVGNASLRLKN 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         120 VQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTV 179
                                                                                                                                                                                                                                                                                                                                    1 MASLGQILFWSIISIIIILAGAIALIIGFGISG-RHSITVTTVASAGNIGEDGILSCTFE
                                                                                                                                                                                                                                                                 8; Gaps
                                                                                                                                                                                                                   35.8%; Score 512; DB 2; Length 285; 40.9%; Pred. No. 3.5e-33; Live 60; Mismatches 84; Indels
to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                         285 AA; 30741 MW; D937490D361B1B34 CRC64;
                                                              InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig-c2.
SMART; SM00408; IGc2; 1.
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                                                         RESULT 9
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                                                                                                요
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MASLGQILFWSIISIIIILAGAIALIIGFGISG-RHSITVTTVASAGNIGEDGILSCTFE 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                          Xenopus tropicalis (Western clawed frog) (Silurana tropicalis).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11;
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Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC082514; AAH82514.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hypothetical protein.
SEQUENCE 276 AA; 29455 MW; 4E57AAC40184EB1E CRC64;
                                                                                                                                                                   25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. 1e-31;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 493.5;
                     :|:| :: | :: :|
244 LTDSGLQTASRLEVFSS 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          34.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 40.4%;
VTESEIKRRSHLQLLNS
                                                                                                                                PRELIMINARY;
                                                                                                                                                                                                                      Hypothetical protein.
                                                                                                                                                                                                                                                                                                 Xenopodinae; Xenopus
NCBI_TaxID=8364;
                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IISSUE=Embryo;
                                                                                                                                               Q640S5;
25-OCT-2004
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                                                                                                                                064055
                                                                                        RESULT 8
06400S5 ·
10 06400 AC
06400 DT 25-00 DT 25-00 DE 25-00 DC EUNA
00C Amphoco C EUNA
00C EUNA
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A REDLINE=2238825; PubMed=12477932; DOI=10.1073/pnas.242603899;
A Klausher R.L., Feingold E.A., Grouse L.H., Derge J.G.,
A Ridsord R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B., Buerow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buerow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heieh F.,
Distchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Rownstein M.J., Uschin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Raha S.S., McEwan P.J., McKernan K.J., Mallek J.A., Gunaratne P.H.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Mitting M., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
M. Jones S.J., Marra M.A.,
Jones S.J., Marra M.A.,
Jones S.J., Marra M.A.,
Touchman Janalysis of more than 15,000 full-length human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
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Renopus laevis (African clawed frog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.
Richardson P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .;
8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            98; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Klein S., Strausberg R.,
Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; BC041253; AAH41253.1; -.
HSSP; Q63345; 1PKO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-like.
SMART; SM0409; IG; II
PROSTITE; PS50935; IG LIKE; 2.
SEQUENCE 275 AA; Z9751 MW; 5FD1B8FB6BC3A40B CRC64;
                                                                                                                                                                                                                                                                       Created)
Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    roc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
275 AA
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                                                                                                                                                                                                      PRT;
                                                                                                                                                                                                                                                                   01-MAR-2003 (TrEMBLrel. 23, 01-MAR-2003 (TrEMBLrel. 23, 01-MAR-2004 (TrEMBLrel. 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Dev. Dyn. 225:384-391(2002).
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Matches 100; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             and mouse cDNA sequences.
                                                                                                                                                                                                      PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Xenopus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=8355
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Riausner R.L., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heish F.,

Blatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Rapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Rapleton M., Juddin T.B., Tochiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Rabas S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.M.,

Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.M.,

Whiting M., Madan A., Young A.C., Shevchenko Y., Boutfard G.G.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Rodriguez A.C., Marra M.A.,

"Generation and initial analysis of more than 15,000 full-length human and mouse colly acquences."

"A Jones S.J., Marra M.A.,

"Generation and initial analysis of more than 15,000 full-length human and mouse colly acquences."
                                                 120 VQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTV 179
                                                                                                   120 IELSDAGTYKCIÍTNSKGTGEDTLTFKVGGYTDVVVT---SPSNDTLRCTSSDWYPKPNV 176
61 PDTTQAN-NIQWEKVGTSGVVYKYENGKSLLNGQNADFKGRTSLFISEIKSGNASLKLTQ 119
                                                                                                                                                           180 VWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIK 239
                                                                                                                                                                                            177 TWESNSED--NITNTIKTTYPPALFNLT-DVTSELHGAQLDVEYTCKIHTVLAQAVGVSM 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hypothetical protein.
Xenopus laevis (African clawed frog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TISSUB=Embryo,
MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ch 19.3%; Score 276; DB 2; Length 465; I Similarity 29.8%; Pred. No. 8e-14; 64; Conservative 39; Mismatches 102; Indels :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUESEMBLYO;
Klein S., Gerhard D.S.;
Klein S., Gerhard D.S.;
Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC082635; AAH82635.1; --
Hypothetical protein.
SEOUENCE 465 AA; 52720 MW; 6790941778C39F95 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25-OCT-2004 (TrEMBLrel. 28, Last sequence update) 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                              465 AA.
                                                                                                                                                                                                                                                                 240 VIESEIKRRSHLOLLNSKASLCV 262
                                                                                                                                                                                                                                                                                                                   234 LIDFGLQTTARLEVFNSVDPLSV 256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (TrEMBLrel. 28, Created) (TrEMBLrel. 28, Last seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Dev. Dyn. 225:384-391(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Xenopodinae; Xenopus.
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Best Local Similarity
Matches 64; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NCBI_TaxID=8355;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TISSUE=Embryo;
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TISSUB-Whole body:

WESTGENER, Faingld E.A., Grouse L.H., Derge J.G.,

Strausberg R.L., Felingld E.A., Grouse L.H., Derge J.G.,

Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B. Buercw K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Jeeberg B. Buercw K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Blacklenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Stapleton M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Brownstein M.J., McKerran K.J., Malek J.A., Gunzatne P.H.,

Raha S.S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.M.,

Villalon D.K., Muzny D.M., Sodergen E.J., Lu X., Gibbs R.A.,

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Whitling M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Radriquez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,

"Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                               200
                                                                                                                                     FKEGKDELSEQDEMFRGRIAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNAN 142
                                                                                                                                                                                                                                                                                                                  7;
                                                                                                                                                                                                     65 YKNGEDNYREQMEEFRGRIEFLKQDITQGVGTLIISNVTLADEGRYSCFYEFDNRQGEVH 124
                                             23 IALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEPDIKLSDIVIQWLKEGVLGLVHE
                                                                                                                                                                                                                                                                    143 LEYKTGAFSM-PEVNV-DYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Xenopus tropicalis (Western clawed frog) (Silurana tropicalis).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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Klein S., Gerhard D.S.;
Submitted (UMN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC075308; AAH75308.1; -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PROSITE; PS50835; IG LIKE; 2.
RROITENCE 305 AA; 35102 MW; 0E54FA8057EF2944 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Last sequence update)
Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    : |: | : | : | : | | : | | INNNENTGLFHVKTALRIASDSKVSCHVRNDLLGA 213
                                                                                                                                                                                                                                                                                                                                                                                                          201 L-NSENVTMKVVSVLYNVTINNTYSCMIENDIAKA 234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   305 AA.
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Interpro; IPR007110; IG-like.
Interpro; IPR003595; IG-v.
SMART; SM00409; IG; I.
SMART; SM00406; IGv; I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cDNA sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
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Name=MGC88971;
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Matches
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us-10-773-715-6.std.rup

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176
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                                        Q8NC34
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                                                                                                                                                                                                                                                            SEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAK--ATGDIKVTESEIKR-- 247
                                                                                                                                                                                                                                                                                     79 LVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGK 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GNANLEYKTGA-FSMPEVNVDYN----ASSETLRCEAPRWFPOPTVVWASQVDQGANFS 192
                                                                                   74 EGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYII 133
                                                                                                                            62 NSFRPYVHLYLNGEDNYREQMEEFRGRIEFLKQNIGRGIGALIIHKVQLSDQGLYTCYFE 121
                                                                                                                                                                         134 TSKGKGNANLEYKTGAFSM-PEVNV-DYNASSETLRCEAPRWFPQPTVVWASQVDQGANF 191
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SIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEPDIKLSDIVIQWLK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=21163383; PubMed=11224528;
Chapoval A.I., Ni J., Lau J.S., Wilcox R.A., Flies D.B., Liu D.,
Dong H., Sica G.L., Zhu G. Tamada K., Chen L.;
"B7-H3: A costimulatory molecule for T cell activation and IFN-gamma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
NCBI_TaxID=9606;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Created)
Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                  RSHLQLLNSKASLCVSSFFAISWALLPLSP 277
                                                                                                                                                                                                                                                                                                                                                                           237 RSGISRF----VLMASCLAVALIVIGUTP 261
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EMBL; AF302102; AAK15438.1; -.
HSSP; Q63345; 1PRO.
GO; GO:0008283; P:cell proliferation; NAS.
GO; GO:0006955; P:immune response; NAS.
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InterPro; IPR007110; Ig-like.
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nes 70; Conservative
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Homo sapiens (Human)
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SILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDAT 119
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS
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                                                                                                                                                                                                                                                                                                              Isogai T., Ota T., Nishikawa T., Hayashi K., Otsuki T., Sugiyama T., Suzuki Y., Nagai K., Sugano S., Ishii S., Kawai-Hio Y., Saito K., Yamamoto J., Wakamateu A., Nakamura Y., Kojima S., Nagahari K., Masuho Y., Ono T., Okano K., Yoshikawa Y., Aotsuka S., Sasaki N., Hattori A., Okumura K., Iwayanagi T., Ninomiya K.; Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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MEDLINE=22388257; PubWed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
                                                                                                                                                                  Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 388;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17.1%; Score 245; DB 2; Length 38 27.8%; Pred. No. 2e-11; ive 50; Mismatches 101; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS-----
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein.
Homo sapiens (Human).
                                                                                                       Last annotation update)
                                            01-0CT-2002 (TrEMBLrel. 22, Created)
01-0CT-2002 (TrEMBLrel. 22, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein FL/30516.
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PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HSSP, Q63345; 1PKO.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
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PRELIMINARY;
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Best Local Similarity 2
                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
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Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.P., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.E., Casavant T.L., Schetz T.E.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Rahting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Whiting M., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
A Jones S.J., Marra M.A.;
T. "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LSCTF--EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN----ASSET 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LRCEAPRWFPOPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     381 ITCSSYRGYPEAEVFW--QDGQGVPLTGNVTTS-QMANEQGLFDVHSVLRVVLGANGTYS 437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  36;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Score 245; DB 2; Length 49; Pred. No. 2.8e-11; 50; Mismatches 101; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Strausberg R.;
Submitted (NOV-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; BC062581; AAH62581.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hypothetical protein.
SEQUENCE 493 AA; 52761 MW; CD7C5591CC4822D2 CRC64;
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27.8%;
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nterPro; IPR003598; Ig_c2.
nterPro; IPR003596; Ig_v.
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Job time : 93 secs

01-0CT-2002 (TrEMBLrel. 22, Created) 01-0CT-2002 (TrEMBLrel. 22, Last sequence update) 01-0CT-2004 (TrEMBLrel. 26, Last annotation update) Hypothetical protein FLJ90368. Homo sapiens (Human). Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

533 AA.

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Search

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Suzuki Y., Nagai K., Sugano S., Ishii S., Kawai-Hio Y., Saito K.,
Yamamoto J., Wakamatsu A., Nakamura Y., Kojima S., Nagahari K.,
Masuho Y., Ono T., Okano K., Yoshikawa Y., Aotsuka S., Sasaki N.,
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Eutheria; Primates; Catarrhini; Hominidae; Homo
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SMART; SM0409; IG; 4.
PROSITE; PS50835; IG LIKE; 4.
SEQUENCE 533 AA; 57179 MW; FC7E3E3A84F56A56 CRC64;
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InterPro; IPR007110; Ig-like.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

App App App App App App App Sequence 208, App Sequence 33, Appl Description Sequence US-09-778-320-208 US-09-850-178-33 US-09-817-065-8 US-09-989-722-291 US-09-989-723-291 US-09-989-727-291 US-09-910-689-208 US-09-910-689-208 US-09-910-689-208 US-09-989-731-291 US-09-989-731-291 US-09-991-073-291 US-09-991-073-291 SUMMARIES DB Query Match Length 100.0 100.0 1000.00 1000.00 1000.00 1000.00 1000.00 00 Score 1431 Result 8

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ALIGNMENTS

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AND .	12; 0; Gaps	MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITUTTUASAGNIGEDGILSCTFEP	DIKLSDIVIQMLKEGVLGIVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
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ion US/09778320 52A1 avin C. g H. diu Jennifer GTOM JENNIFOR AND METHODS FOR THE THERAPY AND DIAGNOSIS OF BREAST CANCER 21.49 LCS 2001-02-06 301 r Windows Version 3.0	Score 1431; DB 9; Pred. No. 2.7e-112; Mismatches 0;	ISGRHSITVT ISGRHSITVT	SEQDEMFRGR
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Application US/097782 20010034052A1 MATION, Bavin C. Day, Craig H. Jiang, Yudin C. Mitcham, Jennifer Mang, TongTong MeNeill, Patria D. ENTION: COMPOSITIONS ENTION: DIAGNOSIS OF CE: 210121.491CS CENTON UNMER: US/09/ NG DATE: 2001-02-06 Q ID NOS: 301 astSEQ for Windows Ver	90	IISIIILAC	ilkegvigivi ilkegvigivi
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Sequence 208, Applica Patent No. US2010034 GENERAL INFORMATION, APPLICANT: Dillon, APPLICANT: Day, Cray APPLICANT: Day, Cray APPLICANT: Matcham, APPLICANT: Wang, TAPPLICANT: Wang, TAPPLICANT: Wang, TAPPLICANT: Wang, TAPPLICANT: Wang, TAPPLICANT: Wang, TAPE OF INVENTION: TITLE OF INVENTION: TITLE OF INVENTION: TITLE REFERENCE: 210 CURRENT FILING DATE: CURRENT FILING DATE: SOFTWARE: FASTEED IS SOFTWARE: FASTEED IS SOFTWARE: TABLES IN SEQ ID NO 208 LENGTH: 282 TYPE: PRT CORGANISM: Homo sapi	Query Match Best Local Similarity Matches 282; Conser	4 4	61 [
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                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Collipits, Tracey L.
APPLICANT: Eriedman, Paula N.
APPLICANT: Russell, John C.
APPLICANT: Russell, John C.
APPLICANT: Russell, John C.
APPLICANT: Hodges, Steven C.
APPLICANT: Klass, Michael R.
APPLICANT: Katochvil, John D.
APPLICANT: Roberts-Rapp, Lisa
APPLICANT: Berdering Stephen D.
APPLICANT: Browne, Stephen D.
APPLICANT: Gordon, Juliano
TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
FILE REPERBICE: 6251,US.Pl
CURRENT APPLICATION NUMBER: US/09/850,178
CURRENT FILING DATE: 1997-11-18
SEQ ID NOS: 33
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 33
LENGTH: 282
                                                                                                                                                                         241 TESEIKRRSHLÖLLINSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                                 241 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Pred. No. 2.7e-112;
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100.0%; Score 1431;
Best Local Similarity 100.0%; Pred. No. 2.7
Matches 282; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                      APPLICANT: Abbott Laboratories
APPLICANT: Billing-Medel, Patricia A.
APPLICANT: Cohen, Maurice
APPLICANT: Colipitts, Tracey L.
APPLICANT: Priedman, Paula N.
APPLICANT: Bussell, John C.
APPLICANT: Granados, Edward N.
APPLICANT: Hodges, Steven C.
APPLICANT: Klass, Michael R.
APPLICANT: Kratochvil, Jon D.
                                                                                                                                                                                                                                                                                     Sequence 33, Application US/09850178 Patent No. US20020034749A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-850-178-33
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RESULT 3

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Sequence 8, Application US/09877065

Sequence 8, Application US/09877065

Patent No. US2002001990A1

GENERAL INFORMATION:

APPLICANT: OPLE, ERIC

APPLICANT: HEARD, CHERYL J.

TITLE OF INVENTION: TRAITMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS

TITLE OF INVENTION: TRAITMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS

FILE REFERENCE: 037003-0280631

CURRENT APPLICATION NUMBER: US/09/877,065

CURRENT APPLICATION NUMBER: 60/210,451

PRIOR FILING DATE: 2000-06-09

NUMBER OF SEQ ID NOS: 14

SOCTWARE: Patentin Ver. 2.1

SEQ ID NO 8

LENGTH: 282
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61 DIKLSDIVIQMLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 291, Application US/09989722; Patent No. US200220072067A1
; BENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Grimaldi,J.Christopher
Gurney,Austin L.
Kljavin,Ivar J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Stewart, Timothy A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tumas, Daniel
Watanabe, Colin K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ferrara, Napoleone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Roy, Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gerber, Hanspeter
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Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Napier, Mary A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Goddard, Audrey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo sapiens
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1998-06-10

1998-06-11

1998-06-16

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R APPLICATION NUMBER: 60/08861

R FILING DATE: 1998-06-11

R APPLICATION NUMBER: 60/088876

R FILING DATE: 1998-06-11

R APPLICATION NUMBER: 60/089105

R FILING DATE: 1998-06-12

R APPLICATION NUMBER: 60/089440

R FILING DATE: 1998-06-16

R APPLICATION NUMBER: 60/089512

R FILING DATE: 1998-06-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/089908
RILING DATE: 1998-06-18
APPLICATION NUMBER: 60/089908
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APPLICATION NUMBER: 60/090678
FILING DATE: 1998-06-25
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FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/090435
FILING DATE: 1998-06-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089598
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089599
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FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/089907
FILING DATE: 1998-06-18
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APPLICATION NUMBER: 60/089947
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APPLICATION NUMBER: 60/090246
FILING DATE: 1998-06-22
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FILING DATE: 1998-06-22
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090431
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APPLICATION NUMBER: 60/090445
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APPLICATION NUMBER: 60/090472
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APPLICATION NUMBER: 60/090535
FILING DATE: 1998-06-24
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090542
FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/090676
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APPLICATION NUMBER: 60/089538
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APPLICATION NUMBER: 60/089600
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APPLICATION NUMBER: 60/089948
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APPLICATION NUMBER: 60/089952
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FILING DATE: 1998-06-22
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APPLICATION NUMBER: 60/090355
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FILING DATE: 1998-06-24
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FILING DATE: 1998-06-24
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                                             APPLICATION NUMBER:
FILING DATE: 1998-06
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APPLICANT: Williams, P. Mickey
APPLICANT: Williams, P. Mickey
APPLICANT: Secret Annual Annual
APPLICANT: Secret Annual
APPLICANTON NUMBER: 18/09/989,722
CURRENT APPLICATION NUMBER: 18/09/989,722
PRIOR APPLICATION NUMBER: 19/06/220
PRIOR PLINE DATE: 19/97-10-1/26/211
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APPLICATION NUMBER: 60/088824
FILING DATE: 1998-06-10
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APPLICANT: Zhang, Militam 1.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: P2730PLC62

CURRENT PILING DATE: 2001-11-19

FRICH APPLICATION NUMBER: 06/0649787

FRICH APPLICATION NUMBER: 60/062260

FRICH APPLICATION NUMBER: 60/06216

FRICH APPLICATION NUMBER: 60/065186

FRICH APPLICATION NUMBER: 60/065111

FRICH FILING DATE: 1997-11-12

FRICH FILING DATE: 1997-11-12

FRICH APPLICATION NUMBER: 60/065311

FRICH APPLICATION NUMBER: 60/065310

FRICH APPLICATION NUMBER: 60/065310

FRICH APPLICATION NUMBER: 60/08450

FRICH APPLICATION NUMBER: 60/08312

FRICH FILING DATE: 1998-04-28

FRICH FILING DATE: 1998-06-28

FRICH FILING DATE: 1998-06-28
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RIOR APPLICATION NUMBER: 60/08759
PRIOR FILING DATE: 1998-06-02
PRIOR PILING DATE: 1998-06-02
PRIOR PILING DATE: 1998-06-03
PRIOR FILING DATE: 1998-06-03
PRIOR FILING DATE: 1998-06-04
PRIOR FILING DATE: 1998-06-04
PRIOR PILING DATE: 1998-06-04
PRIOR FILING DATE: 1998-06-04
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R APPLICATION NUMBER: 60/088202
R FILING DATE: 1998-06-05
R PILING DATE: 1998-06-05
R FILING DATE: 1998-06-05
R APPLICATION NUMBER: 60/088217
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FILING DATE: 1998-06-05
FILING DATE: 1998-06-09
APPLICATION NUMBER: 60/088734
FILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/088030
FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-66-04
PRIOR PELICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/087609
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APPLICATION NUMBER: 60/088029
                                                                                                                                                                                                           Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
                                                                                                                      Roy, Margaret Ann
Stewart, Timothy
                                                                                              Paoni, Nicholas F.
               Kljavin,Ivar J.
Napier,Mary A.
                                                                                                                                                                                Tumas, Daniel
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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100.0%; Score 1431; DB 9;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0;
                                                                                                       A APPLICATION NUMBER: 60/090696

3. APPLICATION NUMBER: 60/090696

3. RILING DATE: 1998-06-25

3. RAPLICATION NUMBER: 60/090662

3. RELING DATE: 1998-06-26

3. RELING DATE: 1998-06-26

3. RELING DATE: 1998-06-26

3. RELING DATE: 1998-07-01

3. RELING DATE: 1998-07-01

3. RELING DATE: 1998-07-01

3. RELING DATE: 1998-07-02

3. RELING DATE: 1998-07-02
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Patent No. US20020072092A1
GENERAL INFORMATION:
                              APPLICATION NUMBER: 60/090694
FILING DATE: 1998-06-25
                                                                                     APPLICATION NUMBER: 60/090695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/091982
FILING DATE: 1998-07-07
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Godowski, Paul J.
Grimaldi, J. Christopher
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Ferrara, Napoleone
Fong, Sherman
Gerber, Hanspeter
Gerritsen, Mary E.
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Besnoyers, Luc
APPLICANT: Besnoyers, Luc
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Geng, Cherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
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US-09-989-723-291
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R FILING DATE: 1998-06-10
R APPLICATION NUMBER: 60/088826
R FILING DATE: 1998-06-10
R APPLICATION NUMBER: 60/08858
R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/088861
R APPLICATION NUMBER: 60/088861
R APPLICATION NUMBER: 60/088816
R APPLICATION NUMBER: 60/088876
R FILING DATE: 1998-06-11
                                              FILING DATE: 1998-06-10
APPLICATION UNMERE: 60/088810
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088824
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APPLICATION NUMBER: 60/089440
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APPLICATION NUMBER: 60/089512
FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089514
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APPLICATION UNMBER: 60/089538
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089598
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089600
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APPLICATION NUMBER: 60/089908
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FILING DATE: 1998-06-22
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FILING DATE: 1998-06-22
APPLICATION NUMBER: 60/090349
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APPLICATION NUMBER: 60/090435
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APPLICATION NUMBER: 60/090445
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FILING DATE: 1998-06-24
                          CATION NUMBER: 60/088742
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APPLICATION NUMBER: 60/089532
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APPLICATION NUMBER: 60/089801
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APPLICATION NUMBER: 60/089948
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APPLICATION NUMBER: 60/090429
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APPLICATION NUMBER: 60/090431
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APPLICATION NUMBER: 60/0
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PR FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090862

R APPLICATION NUMBER: 60/090863

R APPLICATION NUMBER: 60/090863

R APPLICATION NUMBER: 60/091360

R APPLICATION NUMBER: 60/091360

R FILING DATE: 1998-06-26
                                           FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090676
FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090678
FILING DATE: 1998-06-25
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FILING DATE: 1998-07-02
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FILING DATE: 1998-06-25
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FILING DATE: 1998-06-25
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APPLICATION NUMBER: 60/090696
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FILING DATE: 1998-07-01
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1998-06-24
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Gaps ö Length 282; Indels ; Score 1431; DB 9; ; Pred. No. 2.7e-112; 0; Mismatches 0; Query Match 100.0%; Best Local Similarity 100.0%; Matches 282; Conservative 0

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Sequence 291, Application US/09989279
Patent No. US20020072496A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David US-09-989-279-291

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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same TITLE OF INVENTION: Acids Encoding the Same TITLE OF INVENTION: Acids Encoding the Same CURRENT APPLICATION NUMBER: 60/09/98,279

PRIOR PELICATION NUMBER: 60/09/987

PRIOR PELICATION NUMBER: 60/06/250

PRIOR PELICATION NUMBER: 60/06/210

PRIOR PELICATION NUMBER: 60/06/210

PRIOR PELICATION NUMBER: 60/06/210

PRIOR APPLICATION NUMBER: 60/06/210

PRIOR APPLICATION NUMBER: 60/08/210

PRIOR PELICATION NUMBER: 60/08/20

PRIOR PELICATION NUMBER: 60/08/20
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FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088167
FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088202
                                                                                                                                                                                             Godowski, Paul J.
Grimaldi, J.Christopher
Gurney, Austin L.
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
Tumas, Daniel
                          Eaton, Dan L.
Ferrara, Napoleone
                                                                                                         Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
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Desnoyers, Luc
                                                                                 Fong, Sherman
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APPLICATION NUMBER: 60/089952

R FILING DATE: 1998-06-19

R PILING DATE: 1998-06-22

R APPLICATION NUMBER: 60/090246

R FILING DATE: 1998-06-22

R APPLICATION NUMBER: 60/090252

R APPLICATION NUMBER: 60/090254

R FILING DATE: 1998-06-22

R APPLICATION NUMBER: 60/090349

R FILING DATE: 1998-06-23

R FILING DATE: 1998-06-23

R FILING DATE: 1998-06-23

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090439

R FILING DATE: 1998-06-24

R PELING DATE: 1998-06-24

R PELING DATE: 1998-06-24

R PILING DATE: 1998-06-24
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R APPLICATION UNMERS: 60/088824

R FILING DATE: 1998-06-10

R APPLICATION NUMBER: 60/088826

R FILING DATE: 1998-06-10

R APPLICATION NUMBER: 60/08858

R FILING DATE: 1998-06-11
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R APPLICATION NUMBER: 60/089653
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089801
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/089907
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R APPLICATION NUMBER: 60/089908
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/089947
R FILING DATE: 1998-06-19
R APPLICATION NUMBER: 60/089948
R FILING DATE: 1998-06-19
                      APPLICATION NUMBER: 60/088212
FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088217
FILING DATE: 1998-06-05
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APPLICATION NUMBER: 60/088655
FILING DATE: 1998-06-09
APPLICATION NUMBER: 60/088734
FILING DATE: 1998-06-10
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088810
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PPLICATION NUMBER: 60/089440
ILING DATE: 1998-06-16
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APPLICATION NUMBER: 60/088876
FILING DATE: 1998-06-11
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APPLICATION NUMBER: 60/089512
FILING DATE: 1998-06-16
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FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089532
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089598
FILING DATE: 1998-06-17
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089600
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FILING DATE: 1998-06-11
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FILING DATE: 1998-06-05
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APPLICANT: Zhang, MILITAM I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: P2730PLG55

CURRENT APPLICATION NUMBER: U5/09/989,727

CURRENT APPLICATION NUMBER: 60/06250

PRIOR PILING DATE: 1997-06-16

PRIOR FILING DATE: 1997-10-17

PRIOR PLING DATE: 1997-11-13

PRIOR FILING DATE: 1997-11-24

PRIOR PLING DATE: 1997-11-24

PRIOR PLING DATE: 1997-11-24

PRIOR PLING DATE: 1998-02-25

PRIOR PLING DATE: 1998-02-25

PRIOR PLING DATE: 1998-02-25

PRIOR PLING DATE: 1998-04-28

PRIOR PLING DATE: 1998-04-28
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PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR PILING DATE: 1998-06-04
PRIOR FILING DATE: 1998-06-09
PRIOR FILING DATE: 1998-06-09
                                           Sequence 291, Application US/09989727
Patent No. US20020072497A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
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APPLICATION NUMBER: 60/088029
FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/087106
FILING DATE: 1998-05-28
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FILING DATE: 1998-06-02
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FILING DATE: 1998-06-02
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APPLICATION NUMBER: 60/087827
FILING DATE: 1998-06-03
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Gurney, Austin L.
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Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A
Tumas, Daniel
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Gerritsen, Mary E.
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Botstein, David
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APPLICANT:
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R APPLICATION NUMBER: 60/090690

R PILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090694

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090695

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090695

R FILING DATE: 1998-06-26

R FILING DATE: 1998-06-26

R FILING DATE: 1998-06-26

R FILING DATE: 1998-06-26

R PILING DATE: 1998-06-26

R APPLICATION NUMBER: 60/090862
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APPLICATION NUMBER: 60/091360
FILING DATE: 1998-07-01
APPLICATION NUMBER: 60/091478
FILING DATE: 1998-07-02
                                                                                                                             FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090540
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090542
FILING DATE: 1998-06-24
                                        FILING DATE: 1998-06-24
APPLICATION UNMBER: 60/090472
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090535
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FILING DATE: 1938-06-24
APPLICATION NUMBER: 60/090676
FILING DATE: 1998-06-25
                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/090678
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FILING DATE: 1998-07-01
APPLICATION NUMBER: 60/091519
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APPLICATION NUMBER: 60/091626
FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091633
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FILING DATE: 1998-07-09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1998-07-02
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Matches 282; Conserv
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PRIOR
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61 DIKLSDIVIQWLKEGVLGIVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV ; 0 Query Match 100.0%; Score 1431; DB 9; Length 282; Best Local Similarity 100.0%; Pred. No. 2.7e-112; Matches 282; Conservative 0; Mismatches 0; Indels 0 PRIOR APPLICATION NUMBER: 60/090355
PRIOR PLING DATE: 1998-06-23
PRIOR PILING DATE: 1998-06-24
PRIOR PILING DATE: 1998-06-24
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PRIOR PILING DATE: 1998-06-24
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PRIOR PELING DATE: 1998-07-01
PRIOR PELING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-07
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APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC70
CURRENT APPLICATION NUMBER: US/09/989,731
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-11-124
PRIOR FILING DATE: 1998-01-26
PRIOR APPLICATION NUMBER: 60/08769
PRIOR FILING DATE: 1998-01-26
PRIOR APPLICATION NUMBER: 60/08769
PRIOR FILING DATE: 1998-01-26
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FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088029
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APPLICATION NUMBER: 60/088030
FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088033
FILING DATE: 1998-06-04
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FILING DATE: 1998-66-04
PELLICATION NUMBER: 60/088026
FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/088217
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FILING DATE: 1998-06-04
                                                                                Grimaldi, J. Christopher
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                            Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
                                                                                                                                                                                                                                                                                                                Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                                                                                                                                                                                                                                                                            Paoni, Nicholas F.
                                                Godowski, Paul J.
                                                                                                                                                                Kljavin, Ivar J.
                                                                                                                                                                                                    Napier, Mary A.
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                                                                                                                                                                                                                                                                                                                                                                            Sequence 208, Application US/09910689
Fatent No. US2002001609A1
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Day, Craig H.
APPLICANT: Day, Craig H.
APPLICANT: Houghton, Raymond L.
APPLICANT: Mitcham, Jennifer
APPLICANT: Mitcham, Jennifer
APPLICANT: Mang, Tongtong
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100.0%; Pred. No. 2.7e-112;
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US-09-989-731-291
is Sequence 291, Application US/09989731
j Patent No. US20020103125A1
j GENERAL INFORMATION:
i APPLICANT: Baken, Kevin P.
j APPLICANT: Botsetin, David
j APPLICANT: Bestor, Dan L.
j APPLICANT: Ferrara, Napoleone
j APPLICANT: Ferrara, Napoleone
j APPLICANT: Forg, Sherman
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Best Local Similarity 100.
Matches 282; Conservative
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ORGANISM: Homo sapiens
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R FILING DATE: 1998-06-05

R APPLICATION NUMBER: 60/08655

R FILING DATE: 1998-06-09

R FILING DATE: 1998-06-09

R FILING DATE: 1998-06-10

R APPLICATION NUMBER: 60/088738

R FILING DATE: 1998-06-10

R APPLICATION NUMBER: 60/08810

R APPLICATION NUMBER: 60/088810

R FILING DATE: 1998-06-10

R APPLICATION NUMBER: 60/088824

R FILING DATE: 1998-06-10

R PLING DATE: 1998-06-11

R APPLICATION NUMBER: 60/088858

R FILING DATE: 1998-06-11

R APPLICATION NUMBER: 60/088876

R FILING DATE: 1998-06-11

R APPLICATION NUMBER: 60/088876

R PLING DATE: 1998-06-11

R APPLICATION NUMBER: 60/088876

R PLING DATE: 1998-06-11

R APPLICATION NUMBER: 60/089876

R PLING DATE: 1998-06-11
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RETLING DATE: 1998-06-17
RAPPLICATION NUMBER: 60/089603
RETLING DATE: 1998-06-17
RAPPLICATION NUMBER: 60/08961
RAPPLICATION NUMBER: 60/089901
RAPPLICATION NUMBER: 60/089907
RETLING DATE: 1998-06-18
RAPPLICATION NUMBER: 60/089908
RETLING DATE: 1998-06-18
RAPPLICATION NUMBER: 60/089908
RETLING DATE: 1998-06-19
RAPPLICATION NUMBER: 60/089947
RETLING DATE: 1998-06-19
RAPPLICATION NUMBER: 60/089947
RETLING DATE: 1998-06-19
RAPPLICATION NUMBER: 60/089947
RETLING DATE: 1998-06-19
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R FILING DATE: 1998-06-19
R FILING DATE: 1998-06-22
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APPLICATION NUMBER: 60/089598
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089599
FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/089512
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APPLICATION UNDER: 60/089532
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089538
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APPLICATION NUMBER: 60/090444
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090445
FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/089514
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DR FILING DATE: 1998-06-25

DR APPLICATION NUMBER: 60/090694

PRILING DATE: 1998-06-25

DR FILING DATE: 1998-06-25

DR FILING DATE: 1998-06-25

DR FILING DATE: 1998-06-25

DR FILING DATE: 1998-06-25

DR APPLICATION NUMBER: 60/090662

DR APPLICATION NUMBER: 60/090663

DR APPLICATION NUMBER: 60/090663

DR APPLICATION NUMBER: 60/09166

DR APPLICATION NUMBER: 60/091478

DR FILING DATE: 1998-07-01

DR APPLICATION NUMBER: 60/091544

DR FILING DATE: 1998-07-02

DR APPLICATION NUMBER: 60/091626

DR APPLICATION NUMBER: 60/091633

DR FILING DATE: 1998-07-07

DR APPLICATION NUMBER: 60/091633

DR FILING DATE: 1998-07-07

DR APPLICATION NUMBER: 60/091633

DR FILING DATE: 1998-07-07

DR APPLICATION NUMBER: 60/091982

DR FILING DATE: 1998-07-07 FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090678
FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090690
FILING DATE: 1998-06-25 FILING DATE: 1998-06-24
APPLICATION UNBER: 60/090557
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090676

ö Length 282; 100.0%; Score 1431; DB 9; 100.0%; Pred. No. 2.7e-112; tive 0; Mismatches 0; Query Match 100. Best Local Similarity 100. Matches 282; Conservative

1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 121

RESULT 10 US-09-884-441-393 ; Sequence 393, Application US/0988441

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DR APPLICATION NUMBER: 60/088326

R FILING DATE: 1998-66-04

R PILING DATE: 1998-66-05

R PILING DATE: 1998-66-05

R APPLICATION NUMBER: 60/088202

R PILING DATE: 1998-66-05

R PILING DATE: 1998-66-09

R PILING DATE: 1998-66-09

R PILING DATE: 1998-66-10

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R APPLICATION NUMBER: 60/088026
R FILING DATE: 1998-06-04
R FILING DATE: 1998-06-04
R FILING DATE: 1998-06-04
R APPLICATION NUMBER: 60/088029
R FILING DATE: 1998-06-04
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FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087827
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FILING DATE: 1998-06-10
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FILLING DATE: 1998-06-10
APPLICATION NUMBER: 60/088824
FILING DATE: 1998-06-10
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FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/08861
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APPLICATION NUMBER: 60/088025
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FILING DATE: 1998-06-04
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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                                                                                                                                                                 APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C7
CURRENT APPLICATION NUMBER: US/09/884,441
CURRENT FILING DATE: 2001-06-18
NUMBER OF SEQ ID NOS: 489
SEPTIANES FALSEQ for Windows Version 3.0
SEPTIANES: PASSESEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 1431; DB 9; Length 282; 100.0%; Pred. No. 2.7e-112; ive 0; Mismatches 0; Indels 0
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Williams, P. Mickey
Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Timothy A
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Fong, Sherman
Gerber, Hanspeter
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Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gerritsen, Mary E
Goddard, Audrey
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GENERAL INFORMATION:
APPLICANT: Algate, Paul A.
APPLICANT: Carter Programmer.
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Best Local Similarity 100.
Matches 282; Conservative
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kljavin, Ivar J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Napier, Mary A.
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Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Godowski, Paul
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ORGANISM: Homo sapiens
US-09-884-441-393
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APPLICANT:
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FILE REFERENCE: P2730PLC57

CURRENT APPLICATION NUMBER: US/09/989,732

CURRENT FILING DATE: 2001-11-19

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR PILING DATE: 1997-10-17

PRIOR PLING DATE: 1997-11-12

PRIOR PLING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/065311

PRIOR APPLICATION NUMBER: 60/065311

PRIOR APPLICATION NUMBER: 60/065710

PRIOR APPLICATION NUMBER: 60/065710

PRIOR PILING DATE: 1997-11-124

PRIOR PILING DATE: 1997-11-24

PRIOR PILING DATE: 1998-02-25

PRIOR PILING DATE: 1998-03-20

PRIOR PILING DATE: 1998-04-28

PRIOR PILING DATE: 1998-04-28

PRIOR PILING DATE: 1998-05-28

PRIOR PILING DATE: 1998-06-02

PRIOR PILING DATE: 1998-06-02

PRIOR PILING DATE: 1998-06-02

PRIOR PILING DATE: 1998-06-02
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RELIGIO DATE: 1998-06-16

RAPPLICATION NUMBER: 60/089512

RETLING DATE: 1998-06-16

RETLING DATE: 1998-06-16

RETLING DATE: 1998-06-16

RAPPLICATION NUMBER: 60/089532

RELING DATE: 1998-06-17

RAPPLICATION NUMBER: 60/08959

RETLING DATE: 1998-06-17

RAPPLICATION NUMBER: 60/08959

RETLING DATE: 1998-06-17

RETLING DATE: 1998-06-18

RETLING DATE: 1998-06-18
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APPLICATION NUMBER: 60/089952
FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/090246
FILING DATE: 1998-06-22
FILING DATE: 1998-06-12
APPLICATION NUMBER: 60/089440
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FILING DATE: 1998-06-22
APPLICATION NUMBER: 60/090254
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PPLICATION NUMBER: 60/090349
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APPLICATION NUMBER: 60/090429
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APPLICATION NUMBER: 60/090445
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APPLICATION NUMBER: 60/090535
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APPLICATION NUMBER: 60/090540
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APPLICATION NUMBER: 60/089948
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APPLICATION NUMBER: 60/090355
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APPLICATION NUMBER: 60/090431
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APPLICATION NUMBER: 60/090557
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APPLICATION NUMBER: 60/090695
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Pred. No. 2.7e-112;
0; Mismatches 0;
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR APPLICATION NUMBER: 60/090863
PRIOR PILING DATE: 1998-06-26
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PRIOR PELING DATE: 1998-07-01
PRIOR PELING DATE: 1998-07-02
PRIOR PILING DATE: 1998-07-02
PRIOR PILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
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PRIOR PELING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-02
PRIOR PILING DATE: 1998-07-07
PRIOR FILING DATE: 1998-07-07
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Patent No. US20020127576A1
GENERAL INFORMATION:
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FILING DATE: 1998-07-07
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PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09
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Best Local Similarity 100.
Matches 282; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Ashkenazi, Avi J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Goddard, Audre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Fong, Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eaton, Dan
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| APTICONITY | 2007 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2
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                                                                                    Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                              APPLICANT:
APPLICANT:
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R FILING DATE: 1998-06-10
R APPLICATION NUMBER: 60/08826
R FILING DATE: 1998-06-10
R APPLICATION NUMBER: 60/08858
R FILING DATE: 1998-06-11
R FILING DATE: 1998-06-11
R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/08861
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R APPLICATION NUMBER: 60/089105

R FILING DATE: 1998-06-12

R APPLICATION NUMBER: 60/089440

R FILING DATE: 1998-06-16

R APPLICATION NUMBER: 60/089512

R FILING DATE: 1998-06-16

R APPLICATION NUMBER: 60/089514

R FILING DATE: 1998-06-16

R APPLICATION NUMBER: 60/08953

R FILING DATE: 1998-06-16

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R APPLICATION NUMBER: 60/089907
R FILING DATE: 1998-06-18
A PAPLICATION NUMBER: 60/089908
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/089947
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R APPLICATION NUMBER: 60/090254

R FILING DATE: 1998-06-22

R FILING DATE: 1998-06-23

R FILING DATE: 1998-06-23

R APPLICATION NUMBER: 60/090355
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PILING DATE: 1980-06-17
APPLICATION NUMBER: 60/089801
FILING DATE: 1998-06-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089599
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089600
FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/090252
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090444
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APPLICATION NUMBER: 60/090445
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APPLICATION NUMBER: 60/090472
FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/090535
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APPLICATION NUMBER: 60/089598
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APPLICATION NUMBER: 60/089952
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APPLICATION NUMBER: 60/090246
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APPLICATION NUMBER: 60/090429
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APPLICATION NUMBER: 60/090431
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APPLICANT: Watanabe, Colin K.
APPLICANT: Watanabe, Colin K.
APPLICANT: Watlanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Shang, Zemin I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
TITLE OF INVENTION: Acids Encoding the Same
CURRENT APPLICATION NUMBER: US/09/990,442
CURRENT FILING DATE: 1997-06-16
PRIOR PRILING DATE: 1997-06-16
PRIOR FILING DATE: 1997-11-12
PRIOR PRILING DATE: 1997-11-13
PRIOR PRILING DATE: 1997-11-13
PRIOR PRILING DATE: 1997-11-13
PRIOR PRILING DATE: 1997-11-24
PRIOR PRILING DATE: 1998-02-25
PRIOR PRILING DATE: 1998-02-25
PRIOR PRILING DATE: 1998-03-20
PRIOR PRILING DATE: 1998-03-20
PRIOR PRILING DATE: 1998-03-20
PRIOR PRILING DATE: 1998-03-20
PRIOR PRILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/083322
PRIOR PRILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR PRILING DATE: 1998-05-07
PRIOR PRILING DATE: 1998-05-07
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PRIOR FILLING DATE: 1998-06-02
PRIOR PELING DATE: 1998-06-02
PRIOR PELING DATE: 1998-06-02
PRIOR PELING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/087827
PRIOR PELING DATE: 1998-06-03
PRIOR FILING DATE: 1998-06-04
PRIOR FILING DATE: 1998-06-04
PRIOR PELING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR APPLICATION NUMBER: 60/088026
PRIOR PELING DATE: 1998-06-04
PRIOR FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/088212
FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088217
FILING DATE: 1998-06-05
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APPLICATION NUMBER: 60/087607
FILING DATE: 1998-06-02
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APPLICATION NUMBER: 60/088326
FILING DATE: 1998-06-04
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FILING DATE: 1998-06-05
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APPLICATION NUMBER: 60/088202
                                                                           Grimaldi,J.Christopher
Gurney,Austin L.
Kljavin,Ivar J.
                                                                                                                                                                                                                                                             Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
Gerritsen, Mary E.
                                                                                                                                                                                                           Pan, James
Paoni, Nicholas F.
                                                        Godowski, Paul J.
                                                                                                                                                                           Napier, Mary A.
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               PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR APPLICATION NUMBER: 60/090690
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR FILING DATE: 1998-06-25
PRIOR FILING DATE: 1998-06-25
PRIOR PILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR PILING DATE: 1998-06-25
PRIOR PILING DATE: 1998-06-25
PRIOR PILING DATE: 1998-06-26
PRIOR PILING DATE: 1998-06-26
PRIOR PILING DATE: 1998-06-26
PRIOR PILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091360
PRIOR PILING DATE: 1998-07-01
PRIOR PILING DATE: 1998-07-02
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Patent No. US20020132252A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/091982
FILING DATE: 1998-07-07
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APPLICATION NUMBER: 60/092182
FILING DATE: 1998-07-09
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Ferrara, Napoleone
Fong, Sherman
Gerber, Hanspeter
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Desnoyers, Luc
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US-09-990-442-291
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A APPLICATION NUMBER: 60/08655
BR FILING DATE: 1998-06-10
BR APPLICATION NUMBER: 60/088734
BR FILING DATE: 1998-06-10
BR APPLICATION NUMBER: 60/088742
BR FILING DATE: 1998-06-10
BR APPLICATION NUMBER: 60/08810
BR FILING DATE: 1998-06-10
BR FILING DATE: 1998-06-11
BR APPLICATION NUMBER: 60/08858
BR FILING DATE: 1998-06-11
BR APPLICATION NUMBER: 60/089105
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BR FILING DATE: 1998-06-11
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BR APPLICATION NUMBER: 60/08959
BR FILING DATE: 1998-06-17
BR APPLICATION NUMBER: 60/08959
BR FILING DATE: 1998-06-18
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BR FILING DATE: 1998-06-18
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BR FILING DATE: 1998-06-18
BR APPLICATION NUMBER: 60/08959
BR FILING DATE: 1998-06-19
BR APPLICATION NUMBER: 60/08955
BR FILING DATE: 1998-06-22
BR APPLICATION NUMBER: 60/08955
BR FILING DATE: 1998-06-22
BR APPLICATION NUMBER: 60/08955
BR FILING DATE: 1998-06-23
BR APPLICATION NUMBER: 60/08955
BR FILING DATE: 1998-06-2
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APPLICATION UNMBER: 60/090435
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090444
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APPLICATION NUMBER: 60/090472
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121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRASITVTTVASAGNIGEDGILSCTFEP 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP Gaps ö Query Match 100.0%; Score 1431; DB 9; Length 282; Best Local Similarity 100.0%; Pred. No. 2.7e-112; Matches 282; Conservative 0; Mismatches 0; Indels 0; 241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR PILING DATE: 1998-06-24
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PRIOR FILING DATE: 1998-06-25
PRIOR PELING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/09063
PRIOR PELING DATE: 1998-07-01
PRIOR PELING DATE: 1998-07-01
PRIOR PELING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-07
PRIOR PELING DATE: 1998-0 ద 8 유

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Sequence 291, Application US/09991163 Patent No. US20020132253A1

RESULT 14 US-09-991-163-291

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PRIOR
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acide Encoding the Same
TITLE OF INVENTION: Acide Encoding the Same
FILE REPRENCE: P2730PLCT
CURRENT APPLICATION NUMBER: US/09/991,163
CURRENT FILING DATE: 2001-11-14
PRIOR PRILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/065250
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-11-12
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
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FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087759
FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087827
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APPLICATION NUMBER: 60/088030
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APPLICATION NUMBER: 60/075945
FILING DATE: 1998-02-25
APPLICATION NUMBER: 60/078910
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APPLICATION NUMBER: 60/088025
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APPLICATION NUMBER: 60/088028
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APPLICATION NUMBER: 60/088029
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APPLICATION NUMBER: 60/088033
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APPLICATION NUMBER: 60/088326
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APPLICATION NUMBER: 60/083322
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APPLICATION NUMBER: 60/084600
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APPLICATION NUMBER: 60/087106
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APPLICATION NUMBER: 60/087607
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Gurney,Austin L.
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
Tumas, Daniel
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Gerritsen, Mary E.
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APPLICANT: Ashkenazi, Avi J
APPLICANT: Baker, Kevin P.
                                    Botstein, David
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                                                          Desnoyers, Luc
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                                                                         Eaton, Dan L.
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R APPLICATION NUMBER: 60/089947
R FILING DATE: 1998-06-19
R APPLICATION NUMBER: 60/089948
R FILING DATE: 1998-06-19
R APPLICATION NUMBER: 60/089952
R FILING DATE: 1998-06-19
R APPLICATION NUMBER: 60/090246
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R FILING DATE: 1998-06-10
R APPLICATION NUMBER: 60/088858
R FILING DATE: 1998-06-11
R FILING DATE: 1998-06-11
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R APPLICATION NUMBER: 60/088861
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R APPLICATION NUMBER: 60/089599

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089600

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089653
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R APPLICATION NUMBER: 60/089801
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/089907
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R FILING DATE: 1998-06-18
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APPLICATION NUMBER: 60/090355
FILING DATE: 1998-06-23
APPLICATION NUMBER: 60/090429
FILING DATE: 1998-06-24
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FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088655
FILING DATE: 1998-06-09
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FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088167
APPLICATION NUMBER: 60/088202
APPLICATION NUMBER: 60/088202
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APPLICATION NUMBER: 60/088212
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088824
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FILING DATE: 1998-06-16
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APPLICATION NUMBER: 60/089538
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APPLICATION NUMBER: 60/090252
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FILING DATE: 1998-06-22
APPLICATION NUMBER: 60/090349
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FILING DATE: 1998-06-10
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FILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/089105
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APPLICANT: Zhang, Zemin

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC25;
CURRENT FILING DATE: 2001-11-14

PRIOR APPLICATION NUMBER: 06/049787

PRIOR APPLICATION NUMBER: 60/049787

PRIOR APPLICATION NUMBER: 60/06250

PRIOR APPLICATION NUMBER: 60/06250

PRIOR PLING DATE: 1997-10-17

PRIOR FILING DATE: 1997-11-12

PRIOR PLING DATE: 1997-11-13

PRIOR PLING DATE: 1997-11-24

PRIOR PLING DATE: 1999-11-24

PRIOR PLING DATE: 1998-02-25

PRIOR PLING DATE: 1998-02-25

PRIOR PLING DATE: 1998-04-28

PRIOR PLING DATE: 1998-04-28

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PRIOR PLING DATE: 1998-05-07

PRIOR PLING DATE: 1998-05-07

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PRIOR PLING DATE: 1998-05-07

PRIOR PLING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR PILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/08021
PRIOR APPLICATION NUMBER: 60/08021
PRIOR APPLICATION NUMBER: 60/088021
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PRIOR APPLICATION UNMERS: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR PPLICATION NUMBER: 60/087609
PRIOR PILING DATE: 1998-06-02
                                                                                                                                                                            Sequence 291, Application US/09993604
Patent No. US20020137075A1
GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: 66/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 66/088026
PRIOR FILING DATE: 1998-06-04
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Grimaldi, J.Christopher
Gurney, Austin L.
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Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
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Ferrara, Napoleone
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Paoni, Nicholas F.
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                  R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090435

R FILING DATE: 1998-06-24

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R APPLICATION NUMBER: 60/090472

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R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090659

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090696

R FILING DATE: 1998-06-26

R FILING DATE: 1998-06-26

R FILING DATE: 1998-06-26

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R FILING DATE: 1998-06-26

R APPLICATION NUMBER: 60/091180

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R APPLICATION NUMBER: 60
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R FILING DATE: 1998-07-07
R APPLICATION NUMBER: 60/091982
R FILING DATE: 1998-07-07
R APPLICATION NUMBER: 60/092182
R FILING DATE: 1998-07-09
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FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091633
FILING DATE: 1998-07-02
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Best Local Similarity 100.
Matches 282; Conservative
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Gaps ; 0

Length 282; Indels

Query Match 100.0%; Score 1431; DB 9; Best Local Similarity 100.0%; Pred. No. 2.7e-112; Matches 282; Conservative 0; Mismatches 0;

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Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand; pharmaceutical; receptor immunoadhesin; gene mapping:
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ABU67514
ABU80542
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2105692
                         GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rotal number of hits satisfying chosen parameters:
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                    - protein search, using sw model
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AAB87555
AAB99204
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AAE20311
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AAU77766
ABG95880
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ABP30901
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AAE18336
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ABU88056
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Gapop 10.0 , Gapext 0.5
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geneseqp2000s:*
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geneseqp2001s:*
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Maximum DB seq length: 200000000
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Match
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98US-0088826P

98US-008885BP

98US-008865BP

98US-0089105P

98US-0089112P

98US-0089112P

98US-0089512P

98US-0089512P

98US-0089513P

98US-008959BP

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98US-0091626P.
98US-0091628P.
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98US-0096012P
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98US-0096146P
98US-0096732P
98US-009675P
98US-0096771P
98US-0096771P
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9805-0097218P-
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98US-0096960P.
98US-0097022P.
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(GETH) GENENTECH INC.

Smith V, Watanabe CK; Gurney AL, Chen J, Goddard A, Yuan J; Baker K, Wood WI,

WPI; 2000-072883/06. N-PSDB; AAZ65059.

Membrane-bound proteins and related nucleotide sequences Claim 12; Fig 208; 822pp; English. The invention provides membrane-bound PRO polypeptides and polymudleotides encoding them. The PRO sequences of the invention were identified based on extracellular domain homology screening. The PRO sequences have homology with proteins including LDL receptors, TIE cliquads and various enzymes. The membrane-bound proteins and receptor ingences are useful as pharmaceutical and diagnostic agents. Receptor immunoadhesins, for instance, can be used as therapeutic agents to block receptor-ligand interactions. The membrane-bound proteins can also be employed for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interaction. The PRO encoding sequences of the generation of antisense RNA and DNA. PRO nucleic acid sequences also be useful for the preparation of PRO polypeptides, especially by recombinant techniques

Sequence 282 AA;

0; Gaps Length 282; Ouery Match 100.0%; Score 1431; DB 3; Length Best Local Similarity 100.0%; Pred. No. 5.6e-118; Matches 282; Conservative 0; Mismatches 0; Indels

1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP

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RESULT 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Immunogenic portion of an ovarian carcinoma protein and the nucleic acid encoding it, useful for the diagnosis, prevention and treatment of
               DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKOVV
                                                                          QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                       QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                               WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                                                                                                                                                                                                                                                                                                                             Human, ovarian carcinoma, ovarian cancer, therapy; diagnosis, tumour antigen, identification, cytostatic; gene therapy, vaccine.
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                                                                                                                                                                                                                                                                                                                                                                Human ovarian carcinoma antigen O8E protein SEQ ID NO:393
                                                                                                                                                                         TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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100.0%; Pred. No. 5.6e-118;
ive 0; Mismatches 0;
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98US-00216003.
99US-00338933.
99US-00404879.
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Best Local Similarity 100.'
Matches 282; Conservative
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17-DEC-1998;
23-JUN-1999;
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               9
DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                 181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                      DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                     121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
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                                                                                                                                   WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                                                                                                                              TESEIKRESHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide sequence #109.
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2000US-0194647P.
2000US-0195975P.
2000US-0196000P.
2000US-0196187P.
2000US-019680P.
2000US-0196820P.
2000US-0198121P.
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2000US-0190828P.
2000US-0191007P.
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2000US-0191314P.
2000US-0192655P.
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                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-MAR-2000;
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21-MAR-2000;
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2000WO-US014042

22-MAY-2000;

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1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

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24-AUG-2000; 2000WO-US023328
                           15-MAY-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-183260/18.
                                                                                                  Human; PRO protein;
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                                                                                                                                                                        WO200116318-A2
                                                              Human PRO1291
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01-MAR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention. The PRO polypeptides and their associated mucleic acids can be used to detect the presence of a tumour in a mammal by comparing the level of detect the presence of a tumour in a test sample of cells from the animal and a control sample of normal cells, whereby a higher level of expression in the test sample indicates the presence of a tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are preferably human. The polypeptides can be used to stimulate tumour necrosis factor (TNF) alpha release from human blood, when contacted with it. A specific polypeptide can be used to stimulate the proliferation or differentiation of chondrocyte cells. The PRO proteins can be used to determine the presence of tumours and also susceptibility to tumour development, particularly adrenal, lung, colon, cusceptibility to tumour development, particularly adrenal, lung, colon, susceptibility to tumour development, particularly adrenal, lung, colon, breast, prostate, rectal, cervical, or liver tumours, in mammalian subjects. The oligonucleotide probes specific for the PRO nucleic acids can be used for genetic analysis of individuals with genetic disorders
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 1431; DB 4; Length 282; 100.0%; Pred. No. 5.6e-118; tive 0; Mismatches 0; Indels 0
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                                                                                                                                                                                                                          Godowski
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atanabe CK, Wood WI, Zhang
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30-MAY-2000; 2000WO-US014941.
02-UIM-2000; 2000WO-US015264.
05-UIM-2000; 2000WO-US020710.
28-UIL-2000; 2000WO-US020710.
22-AUG-2000; 2000US-00644848.
                                                                                         24-AUG-2000, 2000WO-US023328
08-NOV-2000, 2000WO-US030952
01-DEC-2000, 2000WO-US032678
20-DEC-2000, 2000WO-US03495678
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                                                                                                                                                                                      (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                               WPI; 2001-602746/68.
                                                                                                                                                                                                                         Chen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
hes 282; Conserv
                                                                                                                                                                                                                                            Smith V,
                                                                                                                                                                                                                                                                                                  N-PSDB; AAS46033
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 282 AA;
                                                                                                                                                                                                                          Baker KP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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Matches
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four nucleic acids encoding PRO polypeptides, useful in molecular, including use as hybridization probes, and in chromosome and

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Godowski

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Goddard Wood WI;

Gerritsen ME, Watanabe CK,

Gurney

2000US-0187202P. 2000US-0191007P.

2000WO-US008439. 2000US-0199397P.

2000WO-US014042 2000US-0209832P

2000WO-US004414. 2000WO-US005601.

99US-0169495P

mapping

2000US-0175481P 2000WO-US004341 2000WO-US004342

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The present sequence is a human PRO polypeptide (secreted and transmembrane). The PRO protein, and PRO agonists, PRO antagonists or anti-PRO antibodies are useful for preparation of a medicament useful in the treatment of a condition which is responsive to the PRO protein, agonists, antagonists or anti-PRO antibodies. The PRO protein may also be employed as molecular weight markers for protein electrophoresis. The PRO ociding sequence has applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKOV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
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                                                             Claim 12; Fig 60; 278pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 282 AA;
gene mapping
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AAB87555 standard; protein; 282

AAB87555

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PRO polynucleotides used to produce polypeptides used to target bioactive molecules such as toxins, radiolabels or antibodies, to specific cells, to cause targeted cell death.
                                                                                                                                                                                                                                              secreted and transmembrane protein, PRO, cytostatic, cell death, chromosomal mapping; gene mapping; tissue typing;
                  181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
     181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
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Godowski F
Paoni NF;
Wood WI;
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Ferrara N, Fong S, Gerber H, Gerriteen ME, Goddard A,
Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J,
ROY MA, Stewart TA, Tumas D, Watanabe CK, Williams PM,
                                                                     TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                                                                                                      Human PRO1291 (UNQ659) protein sequence SEQ ID NO:291.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 12; Fig 208; 935pp; English
                                                                                                                                             AAB65242 standard; protein; 282
                                                                                                                                                                                                                                                                                                                                                                                                    99WO-US012252.
99US-0141037P.
99US-0143048P.
99US-0144758P.
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99US-0146222P.
99US-0149396P.
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99US-0158663P.
99WO-US028313.
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2000WO-US003565
2000WO-US004341
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99WO-US030095
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2000WO-US005004
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                                                                                                                                                                                                                                                                          diagnostic assay.
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06-JAN-2000;
11-FEB-2000;
18-FEB-2000;
22-FEB-2000;
24-FEB-2000;
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30-NOV-1999
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                                                                                                                   RESULT 6
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The present invention relates to human breast tumour protein coding sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-AAH55762). The breast tumour protein DNA sequences may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the breast tumour protein e.g. breast cancer. The present sequence is a human ovarian tumour derived antigen, which was used in an example from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DIKLSDIVIQMLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKAVV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                               Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Breast tumor polypeptides and the nucleic acids that encode them, useful for the prevention, diagnosis and treatment of breast cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
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                                       TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                       TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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100.0%; Pred. No. 5.6e-118;
ive 0; Mismatches 0;
                                                                                                                                                                                                          Human ovarian tumour-derived antigen O8E #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 3; Page 190; 221pp; English.
                                                                                                                              AAB99204 standard; protein; 282 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Jiang Y,
                                                                                                                                                                                                                                                                                                                                                                         30-NOV-1999; 99US-00451651.
22-FEB-2000; 2000US-00510662.
10-MAR-2000; 2000US-0053586.
07-APR-2000; 2000US-00545068.
15-MAY-2000; 2000US-00571025.
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                                                                                                                                                                                (first entry)
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Best Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       (CORI-) CORIXA CORP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 282 AA;
                                                                                                                                                                                                                                                                                                WO200140269-A2.
                                                                                                                                                                                                                                              antigen; 08E
                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                         07-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Dillon DC,
                                                                                                                                                       AAB99204;
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The present invention describes human secreted and transmembrane PRO proteins. The PRO proteins have cytostatic activity. The PRO proteins can be used for targeted delivery of bloactive molecules, such as toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide sequences, and their fragments, can be used as hybridisation probes, in chromosomal and gene mapping, and in the generation of anti-sense RNA and DNA. They may also be used to produce transgenic animals which are used to develop and screen therapeutically useful reagents. The PRO nucleotide and protein sequence can be used for tissue typing and in treating cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF4470 to AAF4470 represent PCR primers and hybridisation probes used in the isolation of human PRO sequences. AAA44487 to AAF44470 to AAF44500 represent human PRO polynucleotide and protein sequences given in the exemplification of the present invention
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30-JUN-2000; 2000US-0215135P. 14-AUG-2000; 2000US-0225266P. 29-JUN-2001; 2001WO-US020917

10-JAN-2002

(HUMA-) HUMAN GENOME SCI INC

Ruben SM;

Fiscella M, Ni J,

Sequence 282 AA;

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QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
                                                                                                                     DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
                                                                                                                                   QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
                                                                                                                                                                                                                                       WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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                                                                             1 MASLGQILFWSIISIIIIIAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                                                                                                                                        WASQUDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                          1 MASLGOILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                Gaps
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   Length 282;
                              0; Indels
                                                                                                                                                                                                                                                                                                              TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
100.0%; Score 1431; DB 4;
100.0%; Pred. No. 5.6e-118;
iive 0; Mismatches 0;
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Matches 282; Conserv
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AAE20311 standard; protein; 282 RESULT 7

AAE20311;

18-JUN-2002

Human B7-H8 protein #1.

(first entry)

Human; B7-like protein; inflammation; tissue damage; immune disorder; Addison's disease; autoimmune haemolytic anaemia; autoimmune thyroiditis; diabetes mellitus, crohn's disease; multiple sclerosis; allergy; cancer; rheumatoid arthritis; cradiovascular disorder; nervous system disorder; myocardial ischammia; ulcerative colitis; reproductive system disorder; Alzheimer's disease; Parkinson's disease; endocrine disorder; hepatitis; diabetes mellitus; Grave's disease; Paget's disease; liver disorder; gastrointestinal disorder; irritable bowel syndrome; cerebral anoxia; dysphagia; hepatomegaly; neurological disease; infectious disease; epilepsy; gene therapy; B7-H8 protein, chromosome 1.

Homo sapiens

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/note= "Mature B7-H8 protein"
                1. .24
/label= Signal_peptide
Location/Qualifiers
          Peptide
                                          Protein
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WO200202587-A1

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The present invention relates to novel human B7-like polypeptides and polymucleotides encoding such proteins. Sequences of the invention are polymucleotides and polypeptides are administered consed for preventing, treating or ameliorating a medical condition in a mammalian subject. The polymucleotides and polypeptides are administered to subjects having a disorder related to B-7 Like polypeptides, such as considerable to impuropriate or excessive inflammation in brought about by the activation of certain cells in the body e.g. T cells and may involve disorders.

CC certain cells in the body e.g. T cells and may involve disorders of certain cells in the body e.g. T cells and may involve disorders.

CC certain cells in the body e.g. T cells and may involve disorders.

CC certain cells in the body e.g. T cells and may involve disorders.

CC certain cells in the body e.g. T cells and may involve disorders.

CC caponists and antagonists of the invention are useful in the diagnosis, treatment and prevention of cancer (e.g. cancers of the adrenal gland, connew marrow, breast, gastrointestinal tract, liver, urogenital or lung), immune disorders (e.g., Addison's disease, allergies, autoimmune thyroiditis, diabetes mellitus, carve's disease, parkinis, ulcerative colitis), cardiovascular disorders (e.g., myocardial ischaemias), nervous system disorders (e.g., diabetes mellitus, Grave's disease), reproductive system disorders (e.g., cryptorchism, Paget's disease), reproductive system disorders (e.g., cryptorchism, Paget's disease), gastrointestinal disorders (e.g., dysphagia, irritable bowel syndrome), liver disorders (e.g., hepatomagaly), neurological diseases (e.g., cerebral anoxia and epilepsy) and infectious. Sequences of the invention are also used in gene therapy. The broadment of the proper of the sequence of the superior of the sequence of the sequence of the sequence of the sequence of th
                                                                                                                                                                                                                                                                                                                                                                                                           d nucleic acids encoding human B7-like polypeptides, useful for is and treatment of e.g. inflammation, cancer, immune disorders Addison's disease, and cardiovascular disorders such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1; Fig 1; 493pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                            diagnosis and treatment of
such as Addison's disease,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      myocardial ischemias.
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N-PSDB; AAD32519.
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Sequence 282 AA;

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                                                                                                                                                                     DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADOVIVGNASLRLKNV
                                                                                                                                                                                                                      QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                         1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                            MASLGQILFWSIISIIIIIAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                               DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                                                                                                                                          WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                         Gaps
                                       ,
0
 Length 282;
                                     Indels
Query Match 100.0%; Score 1431; DB 5; Best Local Similarity 100.0%; Pred. No. 5.6e-118; Matches 282; Conservative 0; Mismatches 0;
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282

241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK

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The present invention relates to a new method for assessing whether a patient is afflicted with ovarian cancer. The method involves comparing the expression level of a marker in a patient sample and the normal level of expression of the marker in a control non-ovarian cancer sample, where the marker is selected from 363 cancer markers described in the specification. The method of the invention is useful in diagnosing or characterising cancer, in detecting the presence of cancer as early as possible, and the recurrence of ovarian cancer. The method may also be of particular use with patients having an enhanced risk of developing ovarian cancer (e.g. patients having a familial history of ovarian cancer). The cancer markers may be used in the management and treatment of e.g. brain and central nervous system disorders (e.g. bacterial and viral meningitis, Alzheimer's disease or Parkinson's disease), brain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              disorders (e.g. cerebral oedema, hydrocephalus or brain herniations), inflammations (e.g. bacterial or viral meningitis or encephalitis), testicular disorders (e.g. nontuberculous granulomatous orchitis), connective tissue disorders, or heart disorders (e.g. ischaemic heart disease or atherosclerosis). The compositions and methods may also be used in assessing the histological type of neoplasm associated with ovarian cancer, monitoring the progression of ovarian cancer, determining whether ovarian cancer has metastasized or is likely to metastasize, selecting a composition for inhibiting ovarian cancer, assessing the
                                                                                                                                                                                                                    Human; ovarian cancer; marker; cancer; familial history; brain disorder; central nervous system disorder; bacterial meningitis; viral meningitis; Alzheimer's disease; Parkinson's disease; cerebral oedema; hydrocephalus; brain herniation; inflammation; encephalitis; testicular disorder; nontuberculous granulomatous orchitis; connective tissue disorder; heart disorder; heart disorder; neoplasm;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Assessing whether a patient is afflicted with ovarian cancer, useful in assessing the stage or progression of the disease, comprises comparing the expression level of a cancer marker in a sample from a patient and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kovatis SG;
), Mills GB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Monahan JE, Gannavarapu M, Hoersch S, Kamatkar S, Kov
Meyers RE, Morrisey MP, Olandt PJ, Sen A, Vieby PO,
Bast RC, Lu K, Schmandt RE, Zhao X, Glatt K;
                                                                                                                                                                                                                                                                                                                                                          histological type; carcinogenic; ovarian cancer marker.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Page 468-469; 481pp; English.
                                           ABG96445 standard; protein; 282 AA
                                                                                                                                                                             Human ovarian cancer marker OV88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-MAR-2001; 2001US-0276026P.
10-AUG-2001; 2001US-0311732P.
19-SEP-2001; 2001US-032350P.
26-SEP-2001; 2001US-0324967P.
26-SEP-2001; 2001US-0325102P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2001US-0276025P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-MAR-2002; 2002WO-US007826
                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  from a non cancer patient.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2002-723277/78.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200271928-A2.
                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14-MAR-2001;
                                                                                                                                 11-DEC-2002
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                                                                                     ABG96445
RESULT 8
ABG96445
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/note= "Tumour_associated antigenic target polypeptide"
ovarian carcinogenic potential of a compound, or inhibiting ovarian cancer or at risk of developing ovarian cancer. The present amino acid sequence represents one of the ovarian cancer markers described in the
                                                                                                                                                                                                                           61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                                                                                                                     121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                                                                                                      181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                                                                              1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                                                1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                                                                                   DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                                                                                                      OLTDAGTYKCY11TSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                                                                                        WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tumour associated antigenic target polypeptide; TAT; cancer; breast cancer; ovarian cancer; central nervous system cancer; liver cancer; bladder cancer; pancral nervous system cancer; liver cancer; bladder cancer; pancreatic cancer; cervical cancer; melanoma; leukaemia; TAT136.
                                                                                                                    .;
0
                                                                                            Length 282;
                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 rumour associated antigenic target polypeptide (TAT) 136.
                                                                                                                                                                                                                                                                                                                                                                            TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                                                                                                                                                                                                                                             TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                          100.0%; Score 1431; DB 5; 100.0%; Pred. No. 5.6e-118;
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|label= N-myristoylation_site
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/label= N-myristoylation_site
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|label= N-myristoylation_site
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| Tabel = N-glycosylation_site
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|Tabel= N-glycosylation_site
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205. .209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /label= N-glycosylation_site
                                                                                                                   0; Mismatches
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/label= Signal_peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAU77766 standard; protein; 282
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                                                                                                                    Conservative
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                                                                                                        Similarity
                                                                 Sequence 282 AA;
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                                                                                                                    282;
                                          invention
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                                                                                          Query Match
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                                                                                                         Best Local
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Region Region Domain WO200216581-A2 28-FEB-2002

Gao W, Wu TD,

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Human, secreted protein, transmembrane protein, antirheumatic,
antiarthritic, osteopathic, sports-related joint problem,
articular cartilage defect, osteoarthritis, rheumatoid arthritis.
                                                                                                                                    Human secreted/transmembrane protein PRO1291.
                                    ABG95880 standard; protein; 282 AA.
                                                                                                                                                                                                                                                                                                                                                         97US-0063435P.
97US-0064215P.
98US-0083495P.
98US-008573P.
98US-008023P.
98US-0088023P.
98US-0088023P.
98US-0088024P.
98US-008881P.
98US-0088824P.
98US-0088824P.
98US-0088824P.
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98US-0090444P.
98US-0090688P.
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98US - 0096943P

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98US - 0097971P

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98US - 0097971P

98US - 0097971P

98US - 0099741P

98US - 0099741P

98US - 0099763P

98US - 0099763P

98US - 010062P

98US - 0100683P

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98US - 0101279P

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98US - 0101279P
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98US-0102570P.
98US-0103449P.
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                                                                                                  (first entry)
                                                                                                                                                                                                                                                             US2002119130-A1
                                                                                                                                                                                                                                                                                                                           06-DEC-2001;
                                                                                                                                                                                                                                  Homo sapiens
                                                                                                  10-DEC-2002
                                                                                                                                                                                                                                                                                              29-AUG-2002
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                                                                   ABG95880;
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      RESULT 10
                       ABG95880
                                                   The invention describes an isolated antibody which binds to a tumourassociated antigenic target (TAT) polypeptide. The antibody is useful for: killing a cancer cell (such as a breast, colorectal, lung, ovarian, central nervous system, liver, bladder, pancreatic, cervical, melannom or leukaemia cell) that expresses a polypeptide with at least 80% identity express a polypeptide sequence; treating a tumour comprising cells that express a polypeptide with at least 80% identity to the TAT polypeptide with at least 80% identity to the TAT polypeptide sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WASQUDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                                                                                                                                                                                                                                                                                                                                     Novel isolated antibody which binds to tumor-associated antigenic target polypeptide useful for killing cancer cells expressing the polypeptide and for treating tumor comprising cells that expresses the polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             identity to the TAT polypeptide sequence in a sample suspected of containing the polypeptide; diagnosing the presence of a tumour in ammal, and for antibody dependent enzyme mediated prodrug therapy (ADBPT). This is the amino acid sequence of the tumour associated antigenic target polypeptide (TAT) 136, described in the invention
                                                                                                                                                                                                                                                                                                                         Smith V, Soriano R, Williams PM;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 1431; DB 5; Length 282; 100.0%; Pred. No. 5.6e-118; ive 0; Mismatches 0; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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216. .220 /label= N-glycosylation_site 220. .224 /label= N-glycosylation_site /label= N-glycosylation_site
                                                               Claim 2; Fig 8; 123pp; English.
                                                                                                                                                                                                            24-AUG-2000; 2000WO-US023328.
28-FEB-2001; 2001WO-US006520.
22-JUN-2001; 2001US-00888257.
                                                                                                                                                                              14-AUG-2001; 2001WO-US025464
                                                                                                                                                                                                                                            22-JUN-2001; 2001US-00888257 22-JUN-2001; 2001WO-US020118
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Zhang Z;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.
Matches 282; Conservative
                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                        WPI; 2002-280928/32.
                                                                                                                                                                                                                                                                                                                                                                                       N-PSDB; ABK11744.
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The intention relates to an isolated secreted and transmembrane PRO polypeptide having 80 % sequence dientify to a sequence appearing as ABG95831-ABG95934 or their associated signal peptide. Or a sequence of an extracellular domain of the proteins with thehal associated signal peptide or lacking its associated signal peptide. Also included are the nucleic acids encoding the proteins, vectors, host cells, fusion proteins and antide encoding the proteins, vectors, host cells, fusion proteins and useful for detecting a polypeptide designated as A, B, C or D in a sample suspected of containing an A, B, C or D polypeptide, by contacting the sample with a polypeptide designated as B, F, G, H or I (or vice versa) and determining the formation of a A/B, B/G, C/H or D/I polypeptide and the sample, where the formation of the conjugate is and determining the formation of a A/B, B/C, C/H or D/I polypeptide conjugate in the sample, where A is a PRO10372 polypeptide, B is a PRO2010 polypeptide, C is a PRO2010 polypeptide, D is a PRO1096 polypeptide, B is a PRO2010 polypeptide, C is a RRO1096 polypeptide and I is a PRO1096 polypeptide. The sample, where A is a PRO1096 is a PRO2010 polypeptide. The proteins are useful for a cell suspected of expressing the A, B, C or D polypeptide. The B, G, H, C or D polypeptide is a labeled with a detectable label or is attached to a cell expressing a polypeptide designated as A, B, C or D or E, F, G, H, or I. The proteins are useful for modulating a biological critivity of a cell expressing a polypeptide designated as A, B, C or D or E, F, G, H, or I. The cell is killed. The proteins are useful for medicament useful in the treatment of a condition which is responsive to the proteins as molecular weight markers for protein serving a medicament useful in the treatment of a condition which is responsive to the proteins, and as therapeutic agents for treating sports-related joint cartilage defects of expressing polypeptide is a protein serving a relating polypeptide. The protein serving a prote
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New isolated secreted and transmembrane PRO polypeptide useful for modulating biological activity of a cell, or for treating sports-related joint problems, osteoarthritis or rheumatoid arthritis.
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Wood WI;
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Watanabe CK,
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99WO-US005028.
99WO-US010733.
99WO-US012252.
99WO-US020111.
99WO-US021090.
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99WO-US030720
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2001WO-US017443.
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2000WO-US034956
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09-JUL-2001; 2001WO-US021735
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N-PSDB; ABS74407.
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15-SEP-1999;
22-DEC-1999;
18-PEB-2000;
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02-JUN-2000;
23-AUG-2000;
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10-NOV-2000;
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Godowski PJ;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
                                                                                      for chromosome
hybridisation probes, in chromosome and gene mapping, in the generation of anti-sense RNA and DNA, for the preparation of the proteins, to generate transgenic or knockout animals which are useful in the
                                                                          development and screening of therapeutic useful reagents, for chromosome identification, and in gene therapy. The antibody is useful as a therapeutic agent, in a diagnostic assay and for affinity purification the protein from recombinant cell culture natural sources. The present sequence represents a novel secreted or transmembrane protein of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TAT136; Tumour-associated Antigenic Target; tumour; breast cancer; colorectal cancer; lung cancer; ovarian cancer; central nervous system cancer; liver cancer; bladder cancer; melanoma; pancreatic cancer; leukaemia; gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCWIENDIAKATGDIKV
                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                 Length 282;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tumour-associated antigenic target protein, TAT136
                                                                                                                                                                                                                                                                                                                                 100.0%; Score 1431; DB 5;
100.0%; Pred. No. 5.6e-118;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "N-myristoylation site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note="Asn is N-glycosylated"
126. .132
/note="N-myristoylation site"
160. .164
/note= "Asn is N-glycosylated"
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/note= "Asn is N-glycosylated"
196. .200
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/note= "Signal sequence"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAU76536 standard; protein; 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 282; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .132
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                                                                                                                                                                                                                                                                                Sequence 282 AA;
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/note= "Asn is N-glycosylated"

arthritis. Nucleic acids encoding the proteins are useful as

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The invention relates to an isolated tumour-associated antigenic target polypeptide (TAT) (1), specifically TAT134-TAT138 polypeptides, and the CC polyprolectides (II) encoding them. (II) is useful for diagnosing the presence of a tumour in a mammal, where the level of expression of (II) is indicative on the presence of tumour in the mammal from which the test cample and antibody to (I) is useful for Killing a cancer cell cample and cancer cell, a lung cancer cell, an ovarian cancer cell, a colorectal cancer cell, a lung cancer cell, an ovarian cancer cell, a bladder cancer call, a paracreatic cancer cell, a contral nervous system (CNS) cancer cell, a cancer cell, a leukaemia cell) that expresses (I). Oligonucleotides of coligonucleotide probes or for encoding fragments of full length TAT colypeptide or useful in chromosome and gene mapping and in the generation of antisense RNA and DNA probes, for constructing collypeptides for mapping the gene encoding TAT and for genetic canalysis of individuals with genetic disorders. (II) is also useful for generating either transgenic animals or knockout animals, and in gene constructing cherapy. The TAT polypeptides are useful for screening compounds that mimic the TAT polypeptide are useful for screening compounds that mimic the TAT polypeptide are useful for screening compounds colypeptide from cells, for detection and quantitation of TAT polypeptide colypeptide from cells, for detection and quantitation of TAT polypeptide in vitro, e.g., in an enzyme linked immunosorbent assay (ELISA) or wastern blor. The antibody are also because the care of the color of the color of the care of the color of the c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel isolated tumor-associated antigenic target polypeptides which are useful as targets for cancer therapy and diagnosis in mammals.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 in vitro, e.g., in an enzyme linked immunosorbent assay (ELISA) or western blot. The antibodies are also useful for treating a TAT-expressing cancer or alleviating one or more symptoms of cancer in mammal. The present sequence represents the anino acid sequence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Polakis P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gurney AL, Hillan KJ,
05. .209
note= "Asn is N-glycosylated"
16. .220
                                                              note= "Asn is N-glycosylated"
                                                                                                                N-glycosylated"
                                                                                                                                                              /note= "Transmembrane domain"
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                                                                                                              'note= "Asn is
                                                                                                                                                                                                                                                                                                                                                                     2000WS-0235451P.
2000WO-US032678.
2001WO-US006520.
                                                                                                                                                                                                                                                                                                    2001WO-US020118
                                                                                                                                                                                                                                                                                                                                                                                                                                          2001WO-US006666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Zhang Z;
                                                                                        . 224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Godowski PJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2002-280917/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Goddard A, Goucann Wu TD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           N-PSDB; ABK11091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 282 AA;
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                                                                                                                                                                                                         WO200216429-A2
Modified-site
                                           Modified-site
                                                                                        Modified-site
                                                                                                                                                                                                                                                                                                 22-JUN-2001;
                                                                                                                                                                                                                                                                                                                                                                                             01-DEC-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAR-2001;
                                                                                                                                                                                                                                                                                                                                               24-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                     26-SEP-2000;
                                                                                                                                                                                                                                                      28-FEB-2002
                                                                                                                                      Domain
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Smith V;

Length 282; 100.0%; Score 1431; DB 5; 100.0%; Pred. No. 5.6e-118; ive 0; Mismatches 0; Query Match 100. Best Local Similarity 100. Matches 282; Conservative

9 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP

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61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

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MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP

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180
WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention relates to polypeptides comprising an immunogenic portion of an ovarian carcinoma protein which acts as an immunostimulant and is cytostatic. The polypeptides, polynuclectides, antibodies, fusion. proteins, T cell populations and antigen presenting cells that express the polypeptides are useful for stimulating an immune response in a patient and treating ovarian cancer. This sequence represents protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9
                                                           121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                        QLTDAGTYKCY11TSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Polypeptides comprising an immunogenic portion of an ovarian carcinoma protein or its variants, useful for stimulating an immune response in patient and treating ovarian cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and treating ovarian cancer. This sequence represents protein to the invention
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                                                                                                                                                                                                                                                                                                                                                                Human; immunostimulant; cytostatic; cancer; ovarian carcinoma.
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Hill P, Albone E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                     241 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                                                     ; Score 1431; DB 5;
; Pred. No. 5.6e-118;
0; Mismatches 0;
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Carter D,
                                                                                                                                                                                                                                                   ABP30901 standard; protein; 282
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2000US-00667857.
2001US-00827271.
2001US-00884441.
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100.0%;
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Reed SG, Vedvick TS,
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Best Local Similarity
Matches 282; Conserv
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                                                                                                                                                                                                                                                                                                                                   08E protein #2.
                                                                                                                                                                                                                                                                                                                                                                                                                     WO200206317-A2
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10-AUG-2000;
20-SEP-2000;
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                          Query Match 100.
Best Local Similarity 100.
Matches 282; Conservative
                                                                          Sequence 282 AA;
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                DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKOV
                                        QLTDAGTYKCYI I TSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                          WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                   WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present sequence is the protein sequence of human breast BS265 protein, as predicted from a BS265 expressed sequence tag clone (see ABL57354). The invention provides a set of contiguous and partially overlapping cDNA sequences (see ABL57345.63), designated as BS265 and
      DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gordon J;
Roberts-Rapp LA;
                                                                                                                                                                                                                                        human; breast; cancer; tumour; metastasis; diagnosis;
                                                                                                           TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                     TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Klass MR, Kratochvil JD,
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                                                                                                                                                                     ABB76274 standard; protein; 282
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98US-00193944.
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                                                                                                                                                                                                                       Breast BS265 polypeptide
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KRATOCHVIL J D
ROBERTS-RAPP L
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Hodges S
Stroupe S
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HODGES S C.
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STROUPE S D.
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                                                                                                                                                                                                                                                                  Homo sapiens.
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Russell JC,
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18-NOV-1998;
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transcribed from breast tissue, and the polypeptides encoded by them. These are useful for detecting, diagnosing, staging, monitoring, prognosticating, in vivo imaging, preventing, treating, or determining the predisposition of an individual to diseases and conditions of the breast, such as breast cancer. Also provided are antibodies which specifically bind to BS265 proteins, and agonists or inhibitors which prevent action of the proteins, and which are useful for treatment of breast disease, especially tumours and metastases
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Pred. No. 5.6e-118;
; Mismatches 0;
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/label= Human_mature_B7-L_protein
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/label= Signal_peptide
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us-10-773-715-6.std.rag

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RESULT 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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Modulators of B7-L are also useful for diagnosis and treatment of
diseases involving abnormal cell proliferation, arteriosclerosis and
vascular restenosis. Soluble B7-L serves as vaccine adjuvants.

Antagonists of B7-L are useful for alleviation of toxic shock syndrome or
allosensitisation due to blood transfusions, and for treatment of
multiple sclerosis, allergy, asthma and hypersensitivity reactions,
nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and
pemphigoid), endocrinopathies, various pneumopathies, vasculopathies,
coeliac disease, anaemia, thromobocycopaemia, duillain-Barre syndrome and
myasthenia gravis, and lymphoproliferative disorders such as multiple
myeloma. B7-L gene is useful in gene therapy and to map the locations of
discrete and related genes on chromosomes, as hybridisation probes in
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                                                                                                                                                                                                                                                                                   Novel B7-like polypeptides, polynucleotides and their modulators useful for prevention and treatment of reproductive, immune and proliferative disorders, e.g. cancer, arteriosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   diagnostic assays, for isolating corresponding chromosomal B7-L genes, and to identify heritable tissue-degenerating diseases. The present
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                                                                                    Fang M;
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Matches 282; Conservative
                                                                        Sullivan JK,
                                                                                                                                                             2002-171639/22
(AMGE-) AMGEN INC.
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                                                                            Fox M,
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TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 TESEIKRRSHIQILNSKASLCVSSFFAISWALLPLSPYLMLK 282

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The OREO (Ople
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polynucleotide and corresponding antigens from human ovarian cancer cells, useful for treatment and diagnosis of ovarian cancer.
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                                                                                                                 Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.
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llarity 100.0%; Pred. No. 5.6e-118;
Conservative 0; Mismatches 0;
                                                                                       Amino acid sequence of the OREO gene (gene B).
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         ABB09879 standard; protein; 282
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                                                               (first entry)
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N-PSDB; ABL56582.
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Matches 282;
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APPLICANT: Day, Craig H.
APPLICANT: Jiang, Yuqiu
APPLICANT: Jiang, Yuqiu
APPLICANT: Houghton, Raymond L.
APPLICANT: Mitcham, Jennifer
APPLICANT: Mitcham, Jennifer
APPLICANT: Mong, Tongrong
APPLICANT: Mong, Tongrong
APPLICANT: Mong, Tongrong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121.491C5
CURRENT APPLICATION NUMBER: US/09/778,320
CURRENT FILING DATE: 2001-02-06
NUMBER OF SEQ ID NOS: 301
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 208
LENGTH: 282
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Patent No. US20010034052A1
GENERAL INFORMATION:
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/ cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB.ppp:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 200000000
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

					SUMMARIES		
Result No.	Score	% Query Match	* Query Match Length DB	08	ID	Description	
	282	100.0	-	- 6	US-09-778-320-208	Sequence 208,	App
7	282	100.0		9	US-09-850-178-33	Sequence 33,	33, Appl
e	282	100.0		σ	US-09-877-065-8		Appli
4	282	100.0	282	6	US-09-989-722-291		App
'n	282	100.0		σ	US-09-989-723-291	• •	App
9	282	100.0		6	US-09-989-279-291	291,	App
7	282	100.0		6	US-09-989-727-291	291,	App
80	282	100.0		6	US-09-910-689-208	Sequence 208,	App
σ	282	100.0		σ	US-09-989-731-291		App
10	282	100.0		δ	US-09-884-441-393	Sequence 393,	App
11	282	100.0		6	US-09-989-732-291		App
12	282	100.0		6	US-09-991-073-291	291,	App
13	282	100.0		6	US-09-990-442-291	291,	App

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DB 9; Length 282; Indels

Query Match 100.0%; Score 282; DB 9; Best Local Similarity 100.0%; Pred. No. 2e-263; Matches 282; Conservative 0; Mismatches (

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TYPE: PRT ORGANISM: Homo sapiens

US-09-778-320-208

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ALIGNMENTS

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181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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                                                                                                    WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKAŢGDIKV 240
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APPLICANT: Billing-Medel, Patricia A.
APPLICANT: Cohen, Mautice
APPLICANT: Cohen, Mautice
APPLICANT: Cohen, Mautice
APPLICANT: Cohen, Mautice
APPLICANT: Russell, John C.
APPLICANT: Russell, John C.
APPLICANT: Rasel, Michael R.
APPLICANT: Rase, Michael R.
APPLICANT: Rase, Michael R.
APPLICANT: Rabers, Michael R.
APPLICANT: Roberts-Rapp, Lisa
APPLICANT: Roberts-Rapp, Lisa
APPLICANT: Stroupe, Stephen D.
APPLICANT: Stroupe, Stro
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100.0%; Pred. No. 2e-263;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 33, Application US/09850178
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ORGANISM: Homo sapiens
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Best Local Similarity
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RESULT 3

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Sequence 8, Application US/09877065

Sequence 8, Application US/09877065

Patent No. US20020051990A1

GENERAL INFORMATION:

APPLICANT: OPLE, ERIC

APPLICANT: MCLACHLAN, KAREN

APPLICANT: HEARD, CHERYL J.

TITLE OF INVENTION: NOVEL GENE TARGETS AND LIGANDS THAT BIND THERETO FOR TITLE OF INVENTION: TRATTMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS

FILE REFERENCE: 037003-0280631

CURRENT APPLICATION NUMBER: US/09/877,065

CURRENT APPLICATION NUMBER: 60/210,451

PRIOR FILING DATE: 2000-06-09

NUMBER: OF SEQ ID NOS: 14

SEQ ID NOS: 14

LENGTHREE PATENTIN VET. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; Score 282; DB 9; Best Local Similarity 100.0%; Pred. No. 2e-263; Matches 282; Conservative 0; Mismatches 0;
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; Sequence 291, Application US/0989722
Patent No. US20020072067A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Grimaldi, J. Christopher
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Roy, Margaret Ann
Stewart, Timothy
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ferrara, Napoleone
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gerber, Hanspeter
Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kljavin,Ivar J.
Napier,Mary A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Godowski, Paul
                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
CORGANISM: Homo sapiens
US-09-877-065-8
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RAPELICATION NUMBER: 60/090435

RAPELICATION NUMBER: 60/090444

RAPELICATION NUMBER: 60/090444

RAPELICATION NUMBER: 60/090445

RAPELICATION NUMBER: 60/09045

RAPELICATION NUMBER: 60/09045

RAPELICATION NUMBER: 60/09045

RETLING DATE: 1998-06-24

RETLING DATE: 1998-06-24
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R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089598
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089599
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089600
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089653
R APPLICATION NUMBER: 60/089653
R APPLICATION NUMBER: 60/089653
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/08961
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R FILING DATE: 1998-06-22

R PILING DATE: 1998-06-23

R PILING DATE: 1998-06-23

R APPLICATION NUMBER: 60/090355

R FILING DATE: 1998-06-23

R FILING DATE: 1998-06-23

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090429
                                                                                   FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/08861
FILING DATE: 1998-06-11
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090676
APPLICATION NUMBER: 60/090678
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APPLICATION NUMBER: 60/089947
FILING DATE: 1998-06-19
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FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/089952
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APPLICATION NUMBER: 60/090246
FILING DATE: 1998-06-22
FILING DATE: 1998-06-22
                                                                                                                                                                                    APPLICATION NUMBER: 60/088876
FILING DATE: 1998-06-11
                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/089105
FILING DATE: 1998-06-12
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APPLICATION NUMBER: 60/089512
FILING DATE: 1998-06-16
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FILING DATE: 1998-06-24
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FILING DATE: 1998-06-18
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APPLICANT: WILLIAMS P. Mickey
APPLICANT: RIABAGE GRAIN MILLIAMS P. MICKEY
APPLICANT: ZIAGAG GRAIN MILLIAMS P. MICKEY
APPLICANT: ZIAGAG GRAIN MILLIAMS P. MICKEY
TITLE OF INNERTION: Acida Encoding the Same
TITLE OF INNERTION: Acida Encoding the Same
CURRENT APPLICATION: Acida Encoding the Same
CURRENT APPLICATION: Acida Encoding the Same
CURRENT APPLICATION WOBSER: 60/04378
PRICE APPLICATION WOBSER: 60/04378
PRICE ALINE ADMR. 1997-101/26256
PRICE FILING DATE: 1997-101/26269
PRICE
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/08824
FILING DATE: 1998-06-10
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same TITLE OF INVENTION: Acids Encoding the Same CURRENT STATE OF INVENTION: Acids Encoding the Same CURRENT APPLICATION NUMBER: US/09/989,723
CURRENT FILING DATE: 1097-06-16
PRIOR APPLICATION NUMBER: 60/04250
PRIOR PILING DATE: 1997-01-17
PRIOR PILING DATE: 1997-11-12
PRIOR PILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-24
PRIOR PILING DATE: 1997-11-24
PRIOR PILING DATE: 1997-11-24
PRIOR PILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/06570
PRIOR PILING DATE: 1998-02-25
PRIOR PILING DATE: 1998-02-25
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PRIOR PILING DATE: 1998-06-02
PRIOR PLING DATE: 1998-06-02
PRIOR FILING DATE: 1998-06-03
PRIOR FILING DATE: 1998-06-03
PRIOR PLICATION NUMBER: 60/088021
PRIOR PILING DATE: 1998-06-04
PRIOR FILING DATE: 1998-06-04
PRIOR PILING DATE: 1998-06-04
PRIOR PLING DATE: 1998-06-04
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R PELLING DATE: 1998-06-04
R FILING DATE: 1998-06-04
R APPLICATION NUMBER: 60/088033
R APLING DATE: 1998-06-04
R APPLICATION NUMBER: 60/088326
R FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/088655
FILING DATE: 1998-06-09
APPLICATION NUMBER: 60/088734
FILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/084600
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PRIOR FILING DATE: 1998-05-28
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FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087609
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PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
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PRIOR APPLICATION NUMBER: 60/083322
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APPLICATION NUMBER: 60/088202
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APPLICATION NUMBER: 60/088212
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APPLICATION NUMBER: 60/088217
                                                                                                                                                                                                                                                     Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
                                                                                                                                                         Roy, Margaret Ann
Stewart, Timothy A
Tumas, Daniel
                                                                                                                     aoni, Nicholas F.
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                     Kljavin,Ivar J.
Napier,Mary A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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100.0%; Pred. No. 2e-263;
tive 0; Mismatches 0;
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Fatent No. US20020072092A1
GENERAL INPORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Betefin, David
APPLICANT: Betefin, David
APPLICANT: Beton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Ferrara, Napoleone
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090694

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090695

R FILING DATE: 1998-06-25

R FILING DATE: 1998-06-25

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090862

R FILING DATE: 1998-06-26

R FILING DATE: 1998-06-26

R FILING DATE: 1998-06-26

R FILING DATE: 1998-06-26

R APPLICATION NUMBER: 60/090863

R FILING DATE: 1998-07-01

R APPLICATION NUMBER: 60/09140

R APPLICATION NUMBER: 60/091360

R APPLICATION NUMBER: 60/091408

R APPLICATION NUMBER: 60/091408

R APPLICATION NUMBER: 60/091408

R APPLICATION NUMBER: 60/091544
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APPLICATION NUMBER: 60/091519
FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091626
FILING DATE: 1998-07-02
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FILING DATE: 1998-07-02
PPLICATION NUMBER: 60/091978
FILING DATE: 1998-07-07
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FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/092182
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Goddard, Audrey
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Best Local Similarity 100.
Matches 282; Conservative
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US-09-989-723-291
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R AFFLICATION NUMBER: 60/08953

R APPLICATION NUMBER: 60/08956

R FILING DATE: 1999-06-10

R APPLICATION NUMBER: 60/08958

R FILING DATE: 1999-06-11

R APPLICATION NUMBER: 60/08961

R FILING DATE: 1998-06-11

R APPLICATION NUMBER: 60/08916

R RILING DATE: 1998-06-11

R APPLICATION NUMBER: 60/089105

R FILING DATE: 1998-06-12

R APPLICATION NUMBER: 60/089512

R FILING DATE: 1998-06-16

R APPLICATION NUMBER: 60/089512

R APPLICATION NUMBER: 60/089512

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R APPLICATION NUMBER: 60/089514

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R APPLICATION NUMBER: 60/089600
R APLICATION NUMBER: 60/089653
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089801
R FILING DATE: 1998-06-18
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/089907
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R APPLICATION NUMBER: 60/090246

R APPLICATION NUMBER: 60/090246

R APPLICATION NUMBER: 60/090252

R APPLICATION NUMBER: 60/090252

R APPLICATION NUMBER: 60/090254

R FILING DATE: 1998-06-22

R APPLICATION NUMBER: 60/090359

R FILING DATE: 1998-06-23

R APPLICATION NUMBER: 60/090359

R FILING DATE: 1998-06-23

R APPLICATION NUMBER: 60/090359

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R FILING DATE: 1998-06-18
R FILING DATE: 1998-06-19
R RILING DATE: 1998-06-19
R APPLICATION NUMBER: 60/089948
                                                     APPLICATION NUMBER: 60/088742
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088810
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088824
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APPLICATION NUMBER: 60/090435
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APPLICATION NUMBER: 60/090444
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APPLICATION NUMBER: 60/090445
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FILING DATE: 1998-06-24
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FILING DATE: 1998-06-24
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PRIOR APPLICATION NUMBER: 60/090676
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PRIOR PILING DATE: 1998-06-25
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PRIOR PELING DATE: 1998-06-26
PRIOR PELING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-07
R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090557

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-26

R FILING DATE: 1998-06-25

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R APPLICATION NUMBER: 60/090678
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PRIOR FILING DATE: 1998-07-09
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121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP Indels 241 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 . 0 Query Match 100.0%; Score 282; DB 9 Best Local Similarity 100.0%; Pred. No. 2e-263. Matches 282; Conservative 0; Mismatches Sequence 291, Application US/09989279
Patent No. US20020072496A1
GENERAL INFORMATION:
APPLICANT: Baker, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David US-09-989-279-291 셤 ò ò Š

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PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/08959
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R FILING DATE: 1998-06-05
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R APPLICATION NUMBER: 60/088734
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R APPLICATION NUMBER: 60/088738
R FILING DATE: 1998-06-10
R APPLICATION NUMBER: 60/088742
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R APPLICATION NUMBER: 60/08826
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R APPLICATION NUMBER: 60/089653
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089801
R APPLICATION NUMBER: 60/089907
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APPLICATION NUMBER: 60/088861
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APPLICATION NUMBER: 60/089440
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APPLICATION NUMBER: 60/089512
FILING DATE: 1998-06-16
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FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089532
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FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/08947
FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/089948
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APPLICATION NUMBER: 60/089952
FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/090246
FILING DATE: 1998-06-22
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FILING DATE: 1998-06-22
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APPLICATION NUMBER: 60/090349
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APPLICATION NUMBER: 60/090355
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FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/090431
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i, Paul.

ii, All, Christop.

ii, Alcolas F.

ii, Micholas F.

iii, Micholas Micholas F.

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APPLICATION NUMBER: 60/088167
FILING DATE: 1998-06-05
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Desnoyers, Luc
Eaton, Dan L.
Ferrara, Napoleone
                                                                                                           Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                    Fong, Sherman
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APPLICANT: Wood, William Interval Paper Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2730PLC65 CURRENT APPLICATION NUMBER: US/09/989,727 CURRENT PILING DATE: 2001-11-19 PRIOR FILING DATE: 1997-06-16 PRIOR PILING DATE: 1997-06-16 PRIOR PILING DATE: 1997-06-16 PRIOR PILING DATE: 1997-10-17 PRIOR PILING DATE: 1997-11-12 PRIOR PILING DATE: 1997-11-12 PRIOR PILING DATE: 1997-11-13 PRIOR PILING DATE: 1997-11-24 PRIOR PILING DATE: 1996-02-25 PRIOR PILING DATE: 1996-02-25 PRIOR APPLICATION NUMBER: 60/078910
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PRIOR PELING DATE: 1938-05-28
PRIOR PELING DATE: 1998-05-28
PRIOR PELING DATE: 1998-06-02
PRIOR PELING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/08769
PRIOR APPLICATION NUMBER: 60/08759
PRIOR APPLICATION NUMBER: 60/08021
PRIOR PILING DATE: 1998-06-03
PRIOR PILING DATE: 1998-06-03
PRIOR PILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/08021
PRIOR APPLICATION NUMBER: 60/08021
PRIOR PILING DATE: 1998-06-04
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RR FILING DATE: 1998-06-04
RAPPLICATION NUMBER: 60/088028
RR FILING DATE: 1998-06-04
RAPPLICATION NUMBER: 60/088029
RR PILING DATE: 1998-06-04
                                         Sequence 291, Application US/09989727
Patent No. US20020072497A1
GENERAL INFORMATION:
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FILING DATE: 1998-03-20
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FILING DATE: 1998-04-28
APPLICATION NUMBER: 60/084600
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy I
Tumas, Daniel
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Goddard, Audrey
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Kljavin, Ivar J.
Napier, Mary A.
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                                                                                                                  APPLICANT: Ashkenazi, Avi J.
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Botstein, David
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APPLICANT:
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                                      R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090472

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-24

R APLICATION NUMBER: 60/090535

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090540

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090542

R FILING DATE: 1998-06-24
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RAPPLICATION NUMBER: 60/090690

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RAPLICATION NUMBER: 60/090694

REILING DATE: 1998-06-25

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REPLING DATE: 1998-06-26

REPLING DATE: 1998-06-26
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APPLICATION NUMBER: 60/090676
FILING DATE: 1998-06-25
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FILING DATE: 1998-07-01
APPLICATION NUMBER: 60/091519
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APPLICATION NUMBER: 60/091626
FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091633
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FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/091982
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FILING DATE: 1998-07-09
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090445
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FILING DATE: 1998-07-02
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NUMBER: 60/08 : 1998-06-04 NUMBER: 60/08 : 1998-06-04 NUMBER: 60/08 : 1998-06-05 NUMBER: 60/08 : 1998-06-05 : 1998-06-05 : 1998-06-05 : 1998-06-05 : 1998-06-05 : 1998-06-05 : 1998-06-05 : 1998-06-05	1998-06-09 NUMBER: 60/08 1998-06-10 1998-06-10 1998-06-10 NUMBER: 60/08 1998-06-10 NUMBER: 60/08 1998-06-10 NUMBER: 60/08 1998-06-10 NUMBER: 60/08 1998-06-11 NUMBER: 60/08 1998-06-11 NUMBER: 60/08 1998-06-11 NUMBER: 60/08 1998-06-11 NUMBER: 60/08 1998-06-11 NUMBER: 60/08 1998-06-11 NUMBER: 60/08 1998-06-11 NUMBER: 60/08 1998-06-12 NUMBER: 60/08	NUMBER: 60/08 1998-66-16 1998-66-16 1998-66-17 NUMBER: 60/08 1998-66-17 NUMBER: 60/08 1998-06-17 NUMBER: 60/08 1998-06-17 NUMBER: 60/08 1998-06-17 NUMBER: 60/08 1998-06-17 NUMBER: 60/08	NUMBER: 60 11998-06-1 11998-06-1 11998-06-1 11998-06-1 11998-06-1 11998-06-1 11998-06-2 11998-06-2 11998-06-2 11998-06-2 11998-06-2 11998-06-2 11998-06-2 11998-06-2
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PRIOR APPLICATION NUMBER: 66/90355 PRIOR FILING DATE: 1998-66-23 PRIOR FILING DATE: 1998-66-23 PRIOR FILING DATE: 1998-66-24 PRIOR REPLICATION NUMBER: 66/90445 PRIOR REPLICATION NUMBER: 66/90455 PRIOR REPLICATION NUMBER: 66/90455 PRIOR REPLICATION NUMBER: 66/90464 PRIOR RELICATION NUMBER: 66/90464 PRIOR RELICATION NUMBER: 66/90464 PRIOR RELICATION NUMBER: 66/90414 PRIOR RELICATION NUMBER: 66/90418	Ouery Match Best Local Similar Matches 282; Con 1 MASLGO 1 MASLGO 61 DIKLSD 61 DIKLSD 61 DIKLSD 121 QLTDAG

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FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088217
                                                          Grimaldi, J. Christopher
Gurney, Austin L.
                                                                                                                                                                                                                                        Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
                                                                                                                                                                               Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
  rritsen, Mary E.
                                                                                                                                                             Paoni, Nicholas F.
                                         Godowski, Paul J
                                                                                                    Kljavin, Ivar J
                  Goddard, Audrey
                                                                                                                       Napier, Mary A.
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APPLICANT:
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APPLICANT:
APPLICANT:
APPLICANT:
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181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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                                                                                                                                                                                                                                                                                                               APPLICANT: Jiang, Yuqiu
APPLICANT: Houghton, Raymond L.
APPLICANT: Houghton, Raymond L.
APPLICANT: Mitcham, Jennifer
APPLICANT: Wang, Tongtong
APPLICANT: Wang, Tongtong
APPLICANT: Wang, Tongtong
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121.491C6
CURRENT PILING DATE: 2001-07-20
CURRENT FILING DATE: 2001-07-20
NUMBER OF SEQ ID NOS: 307
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 208
LENGTH: 282
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; Pred. No. 2e-263;
0; Mismatches 0;
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US-09-989-731-291
Sequence 291, Application US/09989731
Sequence 291, Application US/09989731
GENERAL INFORMATION:
APPLICANT: ABARCHAZI, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Peston, Dan L.
APPLICANT: Featon, Dan L.
APPLICANT: Featon, Dan L.
APPLICANT: Forg, Sherman
                                                                                                                                                                                                             Sequence 208, Application US/09910689
Patent No. US20020081609A1
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Day, Craig H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
ilarity 100.0%;
Conservative 0;
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; ORGANISM: Homo sapiens
US-09-910-689-208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 282; Conserva
                                                                                                                                                                                    RESULT 8
US-09-910-689-208
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APPLICANT: Zhang Zemin 1.

APPLICANT: Zhang Zemin 1.

APPLICANT: Zhang Zemin 1.

TITLE OF INVENTION: Acids Encoding the Same
CIRRENT PLING DATE: 2001-11-20

PRIOR FILING DATE: 1997-66-16

PRIOR PLILING DATE: 1997-11-12

PRIOR PLILING DATE: 1998-10-22

PRIOR PLILING DATE: 1998-10-23

PRIOR PLILING DATE: 1998-10-6-34

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FILING DATE: 1998-06-05
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1998-06-05 NUMBER: 60/08865 NUMBER: 60/08865 NUMBER: 60/08873 1998-06-10 NUMBER: 60/08873 1998-06-10 NUMBER: 60/08874 1998-06-10 NUMBER: 60/08881 1998-06-10 NUMBER: 60/08881	NUMBER: 1998-0 NUMBER	NUMBER: 60/089801 1998-06-18 NUMBER: 60/089907 1998-06-18 NUMBER: 60/08998 NUMBER: 60/089947 1998-06-19 NUMBER: 60/08948 1998-06-19 NUMBER: 60/08952 1998-06-19 NUMBER: 60/090246 1998-06-22 NUMBER: 60/090246 1998-06-22 NUMBER: 60/090252 1998-06-22 NUMBER: 60/090246 1998-06-22 NUMBER: 60/090349 1998-06-23 NUMBER: 60/090349 1998-06-23 NUMBER: 60/090349 1998-06-23 NUMBER: 60/090349 1998-06-23 NUMBER: 60/090349 1998-06-24 NUMBER: 60/090349 1998-06-24 NUMBER: 60/090349 1998-06-24 NUMBER: 60/090349 1998-06-24 NUMBER: 60/090435 1998-06-24 NUMBER: 60/090435 1998-06-24 NUMBER: 60/090444
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PRIOR FILING DATE: 1998-06-24
PRIOR PELING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR PILING DATE: 1998-06-24
PRIOR PELING DATE: 1998-06-24
PRIOR PELING DATE: 1998-06-24
PRIOR PELING DATE: 1998-06-24
PRIOR PILING DATE: 1998-06-25
PRIOR PELING DATE: 1998-06-25
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PRIOR PELING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR PELING DATE: 1998-06-25
PRIOR PELING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR PELING DATE: 1998-06-26
PRIOR PELING DATE: 1998-07-01
PRIOR PELING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-07
PRIOR PELING DATE:

ö Indels Score 282; DB 9; Pred. No. 2e-263; 0; Mismatches 0 Query Match
Best Local Similarity 100.0%;
Matches 282; Conservative 0

9 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP

61 DIKLSDIVIQWLKEGVLGLVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 61 ò

QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 121 181 8 a δ 181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

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RESULT 10 US-09-884-441-393 ; Sequence 393, Application US/09884441

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                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                       APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER_
FILE REPERENCE: 210121.462C7
                                                                                                                                                                                                                                                                                                                                        DB 9; Length 282;
                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 282; DB 9; Length 2 Best Local Similarity 100.0%; Pred. No. 2e-263; Matches 282; Conservative 0; Mismatches 0; Indels
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                                                                                                                             CURRENT APPLICATION NUMBER 1997 BS 84,441 CURRENT FILING DATE 2001-06-18 NUMBER OF SEQ ID NOS: 489 SOFTWARE: FastSEQ for Windows Version 3.0 ERO ID NO 393 LENGTH: 282
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Grimaldi, J. Christopher
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Watanabe, Colin K.
Williams, P. Mickey
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Stewart, Timothy A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Fong, Sherman
Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
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Ferrara, Napoleone
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Paoni, Nicholas F.
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
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                                       Algate, Paul A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Godowski, Paul
US20020119158A1
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                                                                                                                                                                                                                                                         ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-884-441-393
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                                     APPLICANT :
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APPLICANT:
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APPLICANT:
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Patent No.
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FILE REFERENCE: P2730PICS7

CURRENT APPLICATION NUMBER: US/09/989,732

CURRENT FILING DATE: 2001-11-19

PRIOR PEDLICATION NUMBER: 60/062250

PRIOR PEDLICATION NUMBER: 60/062186

PRIOR PELING DATE: 1997-06-16

PRIOR PELING DATE: 1997-10-17

PRIOR PELING DATE: 1997-11-12

PRIOR PELING DATE: 1997-11-13

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PRIOR PELING DATE: 1998-05-07

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PRIOR PELING DATE: 1998-06-04

PRIOR PELING DATE: 1998-06-06

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PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR PILING DATE: 1998-06-10
PRIOR FILING DATE: 1998-06-10
PRIOR FILING DATE: 1998-06-10
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R APPLICATION NUMBER: 60/088167

R APPLICATION NUMBER: 60/088202

R APPLICATION NUMBER: 60/088212

R APPLICATION NUMBER: 60/088212

R RILING DATE: 1998-06-05

R FILING DATE: 1998-06-05

R APPLICATION NUMBER: 60/088217

R APPLICATION NUMBER: 60/088217

R APPLICATION DATE: 1998-06-05
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APPLICATION NUMBER: 60/08858
FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/08861
FILING DATE: 1998-06-11
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APPLICATION NUMBER: 60/08810
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APPLICATION NUMBER: 60/089105

R FILING DATE: 1998-06-12

R APPLICATION NUMBER: 60/089440

R FILING DATE: 1998-06-16

R APPLICATION NUMBER: 60/089512

R FILING DATE: 1998-06-16

R APPLICATION NUMBER: 60/089534

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089538

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/08958

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/08958

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/08959

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R APPLICATION NUMBER: 60/08959

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R APPLICATION NUMBER: 60/08959

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089653

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089653

R FILING DATE: 1998-06-18

R APPLICATION NUMBER: 60/08998

R FILING DATE: 1998-06-18

R APPLICATION NUMBER: 60/089987

R APPLICATION NUMBER: 60/089987

R APPLICATION NUMBER: 60/089987

R APPLICATION NUMBER: 60/089987

R FILING DATE: 1998-06-18
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R APPLICATION NUMBER: 60/090444

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090472

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-24

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APPLICATION UNDRER: 60/09355
FILING DATE: 1998-06-23
APPLICATION NUMBER: 60/090429
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APPLICATION NUMBER: 60/090542
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090557
FILING DATE: 1998-06-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 1998-06-19
APPLICATION UNDBER: 60/089952
FILING DATE: 1988-06-19
APPLICATION NUMBER: 60/090246
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APPLICATION NUMBER: 60/090349
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APPLICATION UNDBER: 60/090431
ALLING DATE: 1998-06-24
APPLICATION NUMBER: 60/090435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 1998-06-22
APPLICATION NUMBER: 60/090252
FILING DATE: 1998-06-2
APPLICATION NUMBER: 60/090254
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APPLICATION NUMBER: 60/090695
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121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVPADQVIVGNASLRLKNV 120 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP Gaps .; 0 Indels TESEIKRRSHLÖLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 Score 282; DB 9; Pred. No. 2e-263; 0; Mismatches PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR APPLICATION NUMBER: 60/090863
PRIOR PILING DATE: 1998-06-26
PRIOR PELING DATE: 1998-06-26
PRIOR PELING DATE: 1998-06-26
PRIOR FILING DATE: 1998-07-01
PRIOR PILING DATE: 1998-07-01
PRIOR PILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR PILING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-02
PRIOR PILING DATE: 1998-07-07
PRIOR PILING DATE: 1998-07-07 Sequence 291, Application US/09991073
Patent No. US20020127576A1
GENERAL INFORMATION:
APPLICANT: Baker, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Batcat, David
APPLICANT: Batcat, David
APPLICANT: Batcat, David Query Match

Best Local Similarity 100.0%;

Matches 282; Conservative 0 121 181 241 241 g Dp ò ò ò

Godowski, Paul J. Grimaldi, J. Christopher

Goddard, Audrey

Paoni, Nicholas F

Ferrara, Napoleone Gerber, Hanspeter Gerritsen, Mary E

Fong, Sherman

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A APPLICATION NUMBER: 60/089908

R FILING DATE: 1998-06-18

R PILING DATE: 1998-06-19

R APPLICATION NUMBER: 60/089947

R APPLICATION NUMBER: 60/089948

R APPLICATION NUMBER: 60/089988

R FILING DATE: 1998-06-19

R APPLICATION NUMBER: 60/08952

R FILING DATE: 1998-06-19

R FILING DATE: 1998-06-29

R FILING DATE: 1998-06-22

R APPLICATION NUMBER: 60/090246

R APPLICATION NUMBER: 60/090246
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DR APPLICATION NUMBER: 60/090445

DR FILING DATE: 1998-06-24

DR APPLICATION NUMBER: 60/090472

DR APPLICATION NUMBER: 60/090535

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DR APPLICATION NUMBER: 60/090540

DR FILING DATE: 1998-06-24

DR APPLICATION NUMBER: 60/090540

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DR APPLICATION NUMBER: 60/090540

DR FILING DATE: 1998-06-24

DR APPLICATION NUMBER: 60/090542

DR FILING DATE: 1998-06-24
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R FILING DATE: 1998-06-12
R FILING DATE: 1998-06-16
R FILING DATE: 1998-06-16
R APPLICATION NUMBER: 60/089512
R FILING DATE: 1998-06-16
R APPLICATION NUMBER: 60/089514
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R FILING DATE: 1998-06-23
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R FILING DATE: 1998-06-24
R APPLICATION NUMBER: 60/090431
R FILING DATE: 1998-06-24
R APPLICATION NUMBER: 60/090435
R APPLICATION NUMBER: 60/090444
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R APPLICATION VUMBER: 60/089653

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089801

R APPLICATION NUMBER: 60/089907

R APPLICATION NUMBER: 60/089907

R FILING DATE: 1998-06-18
                                                                                             APPLICATION NUMBER: 60/088826
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088858
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APPLICATION NUMBER: 60/090254
FILING BATE: 1998-06-22
APPLICATION NUMBER: 60/090349
FILING DATE: 1998-06-23
                                         APPLICATION NUMBER: 60/088824
FILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/08876
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089600
FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/08861
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APPLICATION NUMBER: 60/089538
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APPLICATION NUMBER: 60/089598
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                                                                                                      APPLICANT: Without A. Williams, Colling M. A. PREDICANT: Without A. Maricont. Williams, Colling M. Milliams, Colli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088810
                                                                                          Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
Roy, Margaret Ann
Stewart, Timothy A
                                                                Daniel
                                                                Tumas,
                                                                                                APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR
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APPLICANT: Tumas, Daniel
APPLICANT: Watenabe, Colin K.
APPLICANT: Watenabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Mood, William I.
APPLICANT: Zenag, Zenin
TITLE OF INVENTION: Screted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REPERRORE: P2739DLCB
CURRENT APPLICATION NUMBER: U5/09/990,442
CURRENT FILING DATE: 2001_11_1-14
                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR PILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR PILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/06570
PRIOR FILING DATE: 1997-11-24
PRIOR FILING DATE: 1997-11-24
PRIOR FILING DATE: 1997-11-24
PRIOR FILING DATE: 1997-11-24
PRIOR PRILING DATE: 1997-11-24
PRIOR PRILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
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R FILING DATE: 1998-06-03
R APPLICATION NUMBER: 60/088021
R FILING DATE: 1998-06-04
R FILING DATE: 1998-06-04
R FILING DATE: 1998-06-07
R APPLICATION NUMBER: 60/088025
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APPLICATION NUMBER: 60/088167
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APPLICATION NUMBER: 60/083322
FILING DATE: 1998-04-28
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APPLICATION NUMBER: 60/087106
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FILING DATE: 1938-66-02
APPLICATION NUMBER: 60/087609
FILING DATE: 1998-06-02
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FILING DATE: 1998-06-02
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PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
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FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/088030
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FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/088202
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PILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088217
FILING DATE: 1998-06-05
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                                            Grimaldi, J. Christopher
                                                                                                                                                                                   Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1998-05-28
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                                                                                                                                                           Paoni, Nicholas F.
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  Goddard, Audrey
Godowski, Paul J.
                                                                    Gurney, Austin L.
                                                                                                                 Napier, Mary A.
                                                                                                                                          Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                 APPLICANT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels
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                                                          OR APPLICATION NUMBER: 60/090690
OR PILING DATE: 1998-06-25
OR PILING DATE: 1998-06-26
OR PILING DATE: 1998-06-26
OR PILING DATE: 1998-06-26
OR PILING DATE: 1998-06-26
OR PILING DATE: 1998-07-01
OR APPLICATION NUMBER: 60/09186
OR PILING DATE: 1998-07-01
OR APPLICATION NUMBER: 60/09154
OR PILING DATE: 1998-07-01
OR APPLICATION NUMBER: 60/09159
OR PILING DATE: 1998-07-02
OR PILING DATE: 1998-07-02
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Patent No. US20020132223A1
SERERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Beterin, David
APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/091633
FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091978
                     APPLICATION NUMBER: 60/090678
FILING DATE: 1998-06-25
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APPLICATION NUMBER: 60/092182
FILING DATE: 1998-07-09
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Ferrara, Napoleone
Fong, Sherman
Gerber, Hanspeter
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R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/088876
R APPLICATION NUMBER: 60/089105
R APPLICATION NUMBER: 60/089440
R FILING DATE: 1998-06-12
R PILING DATE: 1998-06-16
R FILING DATE: 1998-06-16
R PILING DATE: 1998-06-16
                                                                                                                                                    R APPLICATION NUMBER: 60/088910
R APPLICATION NUMBER: 60/088910
R APPLICATION NUMBER: 60/08824
R APPLICATION NUMBER: 60/08824
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R APPLICATION NUMBER: 60/08826
R APPLICATION NUMBER: 60/08858
R APPLICATION NUMBER: 60/08858
                                       APPLICATION NUMBER: 60/088734
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088738
PILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088742
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APPLICATION NUMBER: 60/089514
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APPLICATION NUMBER: 60/089532
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APPLICATION NUMBER: 60/089538
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APPLICATION NUMBER: 60/089598
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APPLICATION NUMBER: 60/089600
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APPLICATION NUMBER: 60/089653
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APPLICATION NUMBER: 60/089907
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APPLICATION NUMBER: 60/089908
FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/089947
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APPLICATION NUMBER: 60/089801
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DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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PRIOR FILING DATE: 1998-06-24
PRIOR PELING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR APPLICATION NUMBER: 60/090542
PRIOR PILING DATE: 1998-06-24
PRIOR PILING DATE: 1998-06-24
PRIOR PILING DATE: 1998-06-27
PRIOR PELING DATE: 1998-06-27
PRIOR PILING DATE: 1998-06-25
PRIOR PILING DATE: 1998-06-26
PRIOR PILING DATE: 1998-07-02
PRIOR PILING DATE: 1998-07-07
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Best Local Similarity
Matches 282; Conserv
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RESULT 14 US-09-991-163-291

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R FILING DATE: 1998-06-10

R APPLICATION NUMBER: 60/088810

R APPLICATION NUMBER: 60/08824

R FILING DATE: 1998-06-10

R APPLICATION NUMBER: 60/08826

R FILING DATE: 1998-06-10

R RIGHG DATE: 1998-06-10

R APPLICATION NUMBER: 60/08826

R FILING DATE: 1998-06-11
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PRIOR FILING DATE: 1988-06-18
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PRIOR PLING DATE: 1998-06-18
PRIOR PILING DATE: 1998-06-18
PRIOR PILING DATE: 1998-06-19
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R FILING DATE: 1998-06-19
R FILING DATE: 1998-06-22
                                LING DATE: 1998-06-05
PLICATION NUMBER: 60/088202
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APPLICATION UNDBER: 60/088212
FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088217
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APPLICATION NUMBER: 60/088655
FILING DATE: 1998-06-09
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APPLICATION NUMBER: 60/089514
FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089532
FILING DATE: 1998-06-17
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FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/090355
FILING DATE: 1998-06-23
APPLICATION NUMBER: 60/090429
FILING DATE: 1998-06-24
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088738
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APPLICATION NUMBER: 60/088742
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FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/088876
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APPLICATION NUMBER: 60/089105
FILING DATE: 1998-06-12
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FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089512
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089598
FILING DATE: 1998-06-17
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FILING DATE: 1998-06-17
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APPLICANT: MOSO, WILLIAM I.
ITILE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITILE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITILE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic CURRENT APPLICATION NUMBER: US/09/991,163
CURRENT APPLICATION NUMBER: 00/042787
PRIOR PALLOR PAPEL (AITON NUMBER: 00/04286
PRIOR PALLOR PAPEL (AITON NUMBER: 00/06316
PRIOR PAPELCATION NUMBER: 00/06311
PRIOR PAPELCATION NUMBER: 00/06311
PRIOR PAPELCATION NUMBER: 00/06311
PRIOR PAPELCATION NUMBER: 00/079910
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PRIOR PAPELCATION NUMBER: 00/079910
PRIOR PAPELCATION NUMBER: 00/08302
PRIOR PAPELCATION NUMBER: 00/08302
PRIOR PAPELCATION NUMBER: 00/08709
PRIOR PAPELCATION NUMBER: 00/08002
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APPLICATION NUMBER: 60/088326
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Grimaldi, J.Christopher
Gurney, Austin L.
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A
                                                                                  Desnoyers, Luc
Eaton, Dan L.
Ferrara, Napoleone
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Goddard, Audrey
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Paoni, Nicholas F
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Gerber, Hanspeter
APPLICANT: Ashkenazi,Avi J.
APPLICANT: Baker,Kevin P.
APPLICANT: Botstein,David
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AFPLICANT: Zhang, Zemin 1.111min 1.2 APPLICANT: Zhang, Zemin 1.111min 1.2 APPLICANT: Zhang, Zemin 1.111min 1.2 Zhang, Zemin 1.111min 1.2 Zhang, Zemin 1.111min 20 INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TILLE OF INVENTION: Acids Encoding the Same FILLE OF INVENTION: Acids Encoding the Same CURRENT ENCRYION NUMBER: US/09/993,604

CURRENT FILLING DATE: 2001-11-14

PRIOR PILLING DATE: 1997-06-16

PRIOR PILLING DATE: 1997-10-17

PRIOR PILLING DATE: 1997-11-12

PRIOR PILLING DATE: 1997-11-24

PRIOR FILLING DATE: 1997-11-24

PRIOR PILLING DATE: 1998-01-25

PRIOR PILLING DATE: 1998-01-25

PRIOR PILLING DATE: 1998-04-28

PRIOR PILLING DATE: 1998-05-26

PRIOR PILLING DATE: 1998-05-26

PRIOR PILLING DATE: 1998-05-26

PRIOR PILLING DATE: 1998-05-26

PRIOR PILLING DATE: 1998-05-26
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                       241 TESEIKRRSHLÖLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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PRIOR PILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR FILING DATE: 1998-06-02
PRIOR FILING DATE: 1998-06-02
PRIOR PILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/08821
PRIOR FILING DATE: 1998-06-04
PRIOR FILING DATE: 1998-06-04
PRIOR PILING DATE: 1998-06-04
PRIOR PILING DATE: 1998-06-04
PRIOR PILING DATE: 1998-06-04
PRIOR PILING DATE: 1998-06-04
                                                                                                                                                      Sequence 291, Application US/09993604
Patent No. US20020137075A1
GENERAL INFORMATION:
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Grimaldi, J.Christopher
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Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
Tumas, Daniel
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Paoni, Nicholas F.
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Kijavin, Ivar J.
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tive 0; Mismatches (
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RAPPLICATION NUMBER: 60/090676

RELING DATE: 1998-06-25

RELING DATE: 1998-06-26

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R FILING DATE: 1998-07-01
R APPLICATION NUMBER: 60/091478
R APPLICATION NUMBER: 60/091544
R APPLICATION NUMBER: 60/091544
R APPLICATION NUMBER: 60/091519
R FILING DATE: 1998-07-02
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R APPLICATION NUMBER: 60/090444

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APPLICATION NUMBER: 60/092182
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Search completed: April 19, 2005, 07:39:45 Job time : 77 secs

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2105692 Total number of hits satisfying chosen parameters:

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Scoring table:

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Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Listing first 45 Bummaries geneseqp2003as: *geneseqp2003bs: * Geneseq 16Dec04:* geneseqp1980s:* geneseqpr990s:* geneseqp2000s:* geneseqp2002s:* geneseqp2004s:* Database :

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SUMMARIES	ΩI		AAY66719	AAB12557	AAU29132	AAB87555	AAB99204	AAB65242	AAE20311	ABG96445	AAU77766	ABG95880	AAU76536	ABP30901	ABB76274	AAE18336	ABB09879	AAE19013	ABUS8508	ABU88056	ABU84371	ABR66245	ABR65635	ABU99575	ABU58057	ABU59135	ABU82647
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				q	AAY66719 standard; protein; 282 AA.
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				¥	pharmaceutical; receptor immunoadhesin; gene mapping

ALIGNMENTS

eceptor; TIE ligand; ng. 98US-0087607P.
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K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK; VI, Yuan J; Baker K, Wood WI,

WPI; 2000-072883/06. N-PSDB; AAZ65059.

Membrane-bound proteins and related nucleotide sequences.

Claim 12; Fig 208; 822pp; English.

The invention provides membrane-bound PRO polypeptides and purelectides encoding them. The PRO sequences of the invention were identified based on extracellular domain homology screening. The PRO sequences have homology with proteins including LDL receptors, TIE cligands and various enzymes. The membrane-bound proteins and receptor molecules are useful as pharmaceutical and diagnostic agents. Receptor immunoadhesins, for instance, can be used as therapeutic agents to block receptor-ligand interactions. The membrane-bound proteins can also be membrane-bound proteins can also be the relevant receptor/ligand interaction. The PRO encoding sequences of the relevant receptor/ligand interaction. The PRO encoding sequences are useful as hybridization probes, in chromosome and gene mapping and in also be useful for the preparation of PRO polypeptides, especially by recombinant techniques

Sequence 282 AA;

Gaps ; Length 282; Query Match 100.0%; Score 282; DB 3; Length 2 Best Local Similarity 100.0%; Pred. No. 2.8e-286; Matches 282; Conservative 0; Mismatches 0; Indels

9 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Immunogenic portion of an ovarian carcinoma protein and the nucleic acid encoding it, useful for the diagnosis, prevention and treatment of cancer, preferably ovarian cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention describes an isolated polypeptide comprising an immunogenic portion of an ovarian carcinoma protein (or its variants).
                                                                                                   WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                                                  WASQUDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                                                                                                                                                                                                     Human; ovarian carcinoma; ovarian cancer; therapy; diagnosis;
tumour antigen; identification; cytostatic; gene therapy; vaccine.
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100.0%; Pred. No. 2.8e-286;
ive 0; Mismatches 0;
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                                                                                 181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
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WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                            DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                       Human PRO polypeptide sequence #109.
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2000WO-US008439.
2000US-0194649P.
2000US-0194647P.
2000US-0195975P.
2000US-0196187P.
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2000US-0192655P
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2000WO-US014042
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22-MAY-2000;
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Eighty four nucleic acids encoding PRO polypeptides, useful in molecular biology, including use as hybridization probes, and in chromosome and
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                                                                                               Human; PRO protein;
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N-PSDB; AAF92087.
                                                                                                                                                                          WO200116318-A2
                                                              Human PRO1291
                                                                                                                                                                                                                                                                                                                                                             11-JAN-2000;
18-FEB-2000;
18-FEB-2000;
22-FEB-2000;
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Grimaldi CJ,
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03-MAR-2000;
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30-MAR-2000;
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05-JUN-2000;
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07-DEC-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.

The PRO polypeptides and their associated nucleic acids can be used to detect the presence of a tumour in a mammal by comparing the level of expression of a PRO polypeptide in a test sample of cells from the animal and a control sample of normal cells, whereby a higher level of expression in the test sample indicates the presence of a tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are preferably human. The polypeptides can be used to stimulate tumour necrosis factor (TNP) alpha release from human blood, when contacted with it. A specific polypeptide can be used to stimulate the proliferation of chondrocyte cells. The PRO proteins can be used to determine the presence of tumours and also proteins can be used to determine the presence of tumours and also breast, prostate, rectal, cervical, or liver tumours, in mammalian breast, prostate, rectal, cervical, or liver tumours, in mammalian subjects. The oligonucleotide probes specific for the PRO nucleic acids can be used for genetic analysis of individuals with genetic disorders
                                                                                                                                                                                                                                                                                                                                   Novel nucleic acids encoding PRO polypeptides, used to diagnose the presence of tumors, such as prostate and breast tumors, in mammals and to screen for modulators of the compounds.
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                                                                                                                                                                                                                                 Gurney AL;
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                                                                                                                                                                                                                           L, Goddard A, Godowski PJ,
, Wood WI, Zhang Z;
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                                                                                                                                                                                                                                                                                                                                                                                                               Claim 11; Fig 218; 774pp; English.
                                                      28-JUL-2000; 2000WO-US020710.
22-AUG-2000; 2000WS-00644848.
24-AUG-2000; 2000WO-US023328.
08-NOV-2000; 2000WO-US032678.
20-DEC-2000; 2000WO-US032678.
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                   2000WO-US015264
2000US-0209832P
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Matches 282; Conservative
                                                                                                                                                                                      (GETH ) GENENTECH INC
                                                                                                                                                                                                                           Chen J,
                                                                                                                                                                                                                                                                               WPI; 2001-602746/
N-PSDB; AAS46033.
                                                                                                                                                                                                                                            Smith V,
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30-MAY-2000;
02-JUN-2000;
05-JUN-2000;
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Godowski PJ;

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Goddard P Wood WI;

Gerritsen ME, Watanabe CK,

Filvaroff J, Gurney

mapping

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99WO-US021090 99US-0169495P

mapping

99US-0170262P 2000US-0175481P

2000WO-US004341 2000WO-US004342

2000WO-US005601. 2000US-0187202P.

2000WO-US004414

2000WO-US008439 2000US-0199397P

2000WO-US014042 2000US-0209832P

2000US-0191007P

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                                                           The present sequence is a human PRO polypeptide (secreted and transmembrane). The PRO protein, and PRO agonists, PRO antagonists or anti-PRO antibodies are useful for preparation of a medicament useful in the treatment of a condition which is responsive to the PRO protein, agonists, antagonists or anti-PRO antibodies. The PRO protein may also be employed as molecular weight markers for protein electrophoresis. The PRO coding sequence has applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping
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Claim 12; Fig 60; 278pp; English.
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Best Local Similarity 100.
Matches 282; Conservative
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AAB87555 standard; protein; 282 AA

AAB87555

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PRO polynucleotides used to produce polypeptides used to target bioactive molecules such as toxins, radiolabels or antibodies, to specific cells, to cause targeted cell death.
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Godowski PJ;
Paoni NF;
M. Wood WI;
                                                                                                                                                                                                                                                                                  secreted and transmembrane protein; PRO; cytostatic; cell death; chromosomal mapping; gene mapping; tissue typing;
 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
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ng S, Gerber H, Gerritsen ME, Goddard A,
Surney AL, Kljavin IJ, Napier MA, Pan J,
TT, TA, Tumas D, Watanabe CK, Williams PM,
                                                                           TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                            TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                                                                                                                                       Human PR01291 (UNQ659) protein sequence SEQ ID NO:291.
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99US-0141037P.
99US-0143048P.
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99US-0145698P.
99US-0146222P.
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24-FEB-2000; 2000WO-US004914
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2000WO-US005004
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                                                                                                                                                                   standard; protein;
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Ferrara N, Fong S, Gerbé
Grimaldi CJ, Gurney AL,
Roy MA, Stewart TA, Tumé
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                                                                                                                                                                                                                                                                                     Human; secreted and
                                                                                                                                                                                                                                                                                                                  diagnostic assay.
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                                                                                                                                                                                                                                                                                                                                               Homo sapiens
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02-MAR-2000;
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The present invention relates to human breast tumour protein coding sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-AAH55762). The breast tumour protein DNA sequences may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the breast tumour protein e.g. breast cancer. The present sequence is a human ovarian tumour-derived antigen, which was used in an example from the present invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Breast tumor polypeptides and the nucleic acids that encode them, useful for the prevention, diagnosis and treatment of breast cancer.
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                                                                                                                                                                                                                                                    Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour; antigen; 08E.
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                                                                  TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                              TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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100.0%; Pred. No. 2.8e-286;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                          Human ovarian tumour-derived antigen OBE #1.
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                                                                                                                                                     AAB99204 standard; protein; 282
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                                                                                                                                                                                                                                                                                                                                                                                                                                  30-NOV-1999; 99US-00451651.
22-FBB-2000; 2000US-00510662.
110-MAR-2000; 2000US-0053586.
07-APR-2000; 2000US-00545068.
15-MAY-2000; 2000US-00571025.
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                                                                                                                                                                                                              (first entry)
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Matches 282; Conservative
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10-JAN-2002

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proteins. The PRO proteins have cytostatic activity. The PRO proteins can be used for targeted delivery of bioactive molecules, such as toxins; radiolabels or antibodies, that cause cell death. PRO nucleotide chromosomal and their fragments, can be used as hybridisation probes, in chromosomal and gene mapping, and in the generation of anti-sense RNA and DNA. They may also be used to produce transgenic animals which are used to develop and screen therapeutically useful reagents. The PRO nucleotide and protein sequence can be used for tissue typing and in treating cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to AAF44470 represent PGR primers and hybridisation probes used in the isolation of human PRO sequences. AAR44087 to AAF44269 and AAB65154 to AAB65300 represent human PRO polynucleotide and protein sequences given in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                Length 282;
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100.0%; Pred. No. 2.8e-286;
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  present invention describes human
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                              Sequence 282 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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WASQUDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                  DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
                                                                                                                                                                                                    WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                  DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
                               9
                   1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
1 MASLGOILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                   QLTDAGTYKCY I ITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
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AAE2031 RESULT

AAE20311 standard; protein; 282

(first entry) 18-JUN-2002

Human B7-H8 protein #1.

Addison's disease, autoimmune haemolytic anaemia; autoimmune thyroiditis; diabetes mellitus; Crohn's disease; multiple sclerosis; allergy; cancer; rheumatoid arthritis, cardiovascular disorder; nervous system disorder; myocardial ischaemia; ulcerative colitis; reproductive system disorder; Alzheimer's disease; Parkinson's disease; endocrine disorder; hepatitis; diabetes mellitus; Grave's disease; Paget's disease; liver disorder; gastrointestinal disorder; irritable bowel syndrome; cerebral anoxia; dysphagia; hepatomegaly; neurological disease; infectious disease; epilepsy; gene therapy; B7-H8 protein; chromosome 1. B7-like protein; inflammation; tissue damage; immune disorder;

Homo sapiens

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25. .282 ____/note= "Mature B7-H8 protein"
                                                                1. .24
/label=_Signal_peptide
                                                             Location/Qualifiers
                                                                Peptide
                                                                      Protein
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240

TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282

241

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120

9

180

WO200202587-A1

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The present invention relates to novel human B7-like polypeptides and polymucleotides encoding such proteins. Sequences of the invention are polymucleotides and polypeptides are administered commandalian subject. The polymucleotides and polypeptides are administered to subject having a disorder related to B-7 Like polypeptides, such as considerable to image to rexeasive inflammation which can lead to tissue damage or even death, where the inflammation is brought about by the activation of certain cells in the body e.g. T cells and may involve disorders consists and antagonists of the nucleic acids, proteins, antibodies, agonists and antagonists of the invention are useful in the diagnosis, treatment and prevention of cancer (e.g. cancers of the adrenal gland, conner marrow, breast, gastrointestinal tract, liver, urogenital or lung), immune disorders (e.g., Addison's disease, allergies, autoimmune thyroiditis, diabetes mellitus, crohn's disease, multiple sclerosis, rheumatoid arthritis, ulcrariuve colitis), cardiovascular disorders (e.g., myocardial ischaemias), nervous system disorders (e.g., cliabetes mellitus, Grave's disease), reproductive system disorders (e.g., criptorchism, Paget's disease), reproductive system disorders (e.g., criptorchism, Paget's disease), reproductive system disorders (e.g., criptorchism, Paget's disease), liver disorders (e.g., hepatomagaly), neurological diseases (e.g., cerebral anoxia and epilepsy) and infections. Sequences such as viral, bacterial, fungal and parasitic contractions. Sequences of the invention are also used in gene therapy. The process
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DIKLSDIVIQWIKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKAVV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                                                                                                                                                                                                                 Isolated nucleic acids encoding human B7-like polypeptides, useful for diagnosis and treatment of e.g. inflammation, cancer, immune disorders such as Addison's disease, and cardiovascular disorders such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MASLGQLEWSIISIIIILAGAIALIIGEGISGRHSITVTTVASAGNIGEDGLISCTFEP
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; Pred. No. 2.8e-286;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                             Example 1; Fig 1; 493pp; English.
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                                                                                   2000US-0215135P.
2000US-0225266P.
                                        29-JUN-2001; 2001WO-US020917.
                                                                                                                                                  (HUMA-) HUMAN GENOME SCI INC
                                                                                                                                                                                             Ruben SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.
Best Local Similarity 100.
Matches 282; Conservative
                                                                                                                                                                                                                                                                                                                                                                       myocardial ischemias.
                                                                                                                                                                                                                                      2002-257198/30.
                                                                                                                                                                                           Fiscella M, Ni J,
                                                                                                                                                                                                                                                        N-PSDB; AAD32519
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                                                                            30-JUN-2000;
                                                                                                       14-AUG-2000;
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The present invention relates to a new method for assessing whether a patient is afflicted with ovarian cancer. The method involves comparing the expression of the marker in a patient sample and the normal level of expression of the marker is aptient sample and the normal level of expression of the marker is useful in diagnostic, where the marker is selected from 363 cancer markers described in the characterising cancer, in detecting the presence of cancer as early as possible, and the recurrence of ovarian cancer. The method may also be of particular use with patients having an enhanced risk of developing ovarian cancer (e.g. patients having an enhanced risk of developing cancer). The cancer markers may be used in the management and treatment of e.g. brain and central nervous system disorders (e.g. bacterial and viral meningitis), altaheimer's disease or Parkinson's disease), brain chilammations (e.g. bacterial or viral meningitis or encephalitis), inflammations (e.g. bacterial or viral meningitis or encephalitis), connective tissue disorders, or heart disorders (e.g. ischaemic heart disorders (e.g. ischaemic heart disorders (e.g. ischaemic connective tissue disorders, or heart disorders (e.g. ischaemic connective monitoring the progression of ovarian cancer, determining whether ovarian cancer has metastasized or is likely to metastasize, selecting a composition for inhibiting ovarian cancer, assessing the
                                                                                                                                                                                                   Human; ovarian cancer; marker; cancer; familial history; brain disorder; central nervous system disorder; bacterial meningitis; viral meningitis; Alzheimer's disease; Parkinson's disease; cerebral oedema; hydrocephalus; brain herniation; inflammation; encephalitis; testicular disorder; nontuberculous granulomatous orchitis; connective tissue disorder; heart disorder; ischaemic heart disease; atherosclerosis; neoplasm; histological type; carcinogenic; ovarian cancer marker.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Assessing whether a patient is afflicted with ovarian cancer, useful in assessing the stage or progression of the disease, comprises comparing the expression level of a cancer marker in a sample from a patient and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kamatkar S, Kovatis SG;
n A, Vieby PO, Mills GB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      M, Hoersch S, Kamatka)
Olandt PJ, Sen A, Vit
RE, Zhao X, Glatt K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Page 468-469; 481pp; English.
                                       ABG96445 standard; protein; 282 AA
                                                                                                                                                                Human ovarian cancer marker OV88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14-MAR-2001; 2001US-0276026P.
10-MUG-2001; 2001US-031132P.
19-SEP-2001; 2001US-0323580P.
26-SEP-2001; 2001US-0324967P.
26-SEP-2001; 2001US-0325102P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bast RC, Lu K, Schmandt RE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-MAR-2002; 2002WO-US007826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2001US-0276025P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Monahan JE, Gannavarapu M,
Meyera RE, Morrisey MP, Ol
                                                                                                                         (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-MAR-2001;
                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                       11-DEC-2002
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                                                                              ABG96445;
RESULT 8
                     ABG96445
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/note= "Tumour associated antigenic target polypeptide"
ovarian carcinogenic potential of a compound, or inhibiting ovarian cancer or at risk of developing ovarian cancer. The present amino acid sequence represents one of the ovarian cancer markers described in the
                                                                                                                                                                                                WASQUDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                                                                                  1 MASIGQILFWSIISIIIILAGAIALIIGFGISGRASITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                                                                   DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
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                                                                                                            Gaps
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o
                                                                                    Length 282;
                                                                                                            Indels
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                                                                                   100.0%; Score 282; DB 5; L
100.0%; Pred. No. 2.8e-286;
iive 0; Mismatches 0;
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/label= N-myristoylation_site
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|/label= N-myristoylation_site
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/label= N-glycosylation_site
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/label= N-glycosylation_site
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/label= N-glycosylation_site
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205, .209
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/label= Signal_peptide
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                                                                                                            Conservative
                                                                                                Similarity
                                                             Sequence 282 AA;
                                                                                   Query Match
Best Local Simi
Matches 282;
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Region Region Domain

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Human, secreted protein, transmembrane protein, antirheumatic,
antiarthritic, osteopathic, sports-related joint problem,
articular cartilage defect, osteoarthritis, rheumatoid arthritis.
                                                                                                                                   Human secreted/transmembrane protein PR01291
                                    ABG95880 standard; protein; 282 AA.
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97US-0064215P.
98US-0083497P.
98US-008579P.
98US-0088021P.
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9815. 008953P.
9815. 0089634P.
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98US-0101279P.
98US-0101475P.
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                                                                                                   (first entry)
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                                                                                                   10-DEC-2002
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                     ABG95880
                                   The invention describes an isolated antibody which binds to a tumourassociated antigenic target (TAT) polypeptide. The antibody is useful for: killing a cancer cell (such as a breast, colorectal, lung, ovarian, central nervous system, liver, bladder, pancreatic, cervical, melanoma or leukaemia cell) that expresses a polypeptide with at least 80% identity to the TAT polypeptide sequence; treating a tumour comprising cells that expresses a polypeptide with at least 80% identity to the TAT polypeptide sequence of a polypeptide having at least 80% identity to the TAT polypeptide sequence in a sample suspected of identity to the TAT polypeptide sequence in a sample suspected of onchaining the polypeptide; diagnossing the presence of a tumour in a mammal, and for antibody dependent enzyme mediated prodrug therapy (ADEPT). This is the amino acid sequence of the tumour associated antigenic target polypeptide (TAT) 136, described in the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                        Novel isolated antibody which binds to tumor-associated antigenic targe polypeptide useful for killing cancer cells expressing the polypeptide and for treating tumor comprising cells that expresses the polypeptide.
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216. .220
/label= N-glycosylation_site
220. .224
/label= N-glycosylation_site
258. .282
/label= Transmembrane_domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 2; Fig 8; 123pp; English
                                                                                                                                                                                                              24-AUG-2000; 2000WO-US023328.
28-FEB-2001; 2001WO-US006520.
22-JUN-2001; 2001US-00888257.
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22-JUN-2001; 2001US-00888257
22-JUN-2001; 2001WO-US020118
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Zhang Z;
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Best Local Similarity 100.
Marches 282; Conservative
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N-PSDB; ABK11744.
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Claim 20; Fig 60; 399pp; English.
99WO-US005028.
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99WO-US012252.
99WO-US020111.
99WO-US021090.
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2000WO-US004342.
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C, Gurney A
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N-PSDB; ABS74407.
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02-JUN-2000;
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20-DEC-2000;
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                                        FEB-2000;
                                                               MAR-2000;
                                                                                     24-AUG-2000;
                                              FEB-2000;
                                                                                                                                                                    Eaton DL,
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Godowski PJ; Goddard A, Wood WI; Ä,Ą Gerritsen Watanabe New isolated secreted and transmembrane PRO polypeptide useful for modulating biological activity of a cell, or for treating sports-related joint problems, osteoarthritis or rheumatoid arthritis.

The invention relates to an isolated secreted and transmembrane PRO polypeptide having 80 % sequence identity to a sequence appearing as ABGS51-ABGS934 or their associated signal peptide, or a sequence of an extracellular domain of the proteins with their associated signal peptide or a lacking its associated signal peptide. Also included are the nucleic acids encoding the proteins, when the proteins. The proteins and antibodies which specifically bind to the proteins. The proteins and antibodies which specifically bind to the proteins. The proteins are useful for detecting a polypeptide designated as A, B, C or D in a sample conjugate in the sample, where the formation of a A/E, B/F, B/G, C/H or D/I polypeptide and the presence of an A, B, C or D polypeptide, in the sample, where the formation of the conjugate is a PRO12021 polypeptide, B is a PRO2010 polypeptide, C is a PRO1056 polypeptide, D is a PRO13070 polypeptide, E is a PRO1060 polypeptide, D is a PRO13070 polypeptide, E is a PRO1060 polypeptide, B is a PRO2010 polypeptide, H is a PRO1060 polypeptide and I is a arthritis. Nucleic acids encoding the proteins are useful as

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hybridisation probes, in chromosome and gene mapping, in the generation of anti-sense RNA and DNA, for the preparation of the proteins, to generate transgenic or knockout animals which are useful in the development and screening of therapeutic useful reagents, for chromosome identification, and in gene therapeut want for antibody is useful as a laterapeutic agent, in a diagnostic assay and for affinity purification of the protein from recombinant cell culture natural sources. The present sequence represents a novel secreted or transmembrane protein of the
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/note= "Immunoglobulin domain"
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/note= "N-myristoylation site"
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190. .194
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196. .200
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.a= "Mature TAT134"
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Conservative (
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Matches 282; Conserv
                                                                                                                                                 Sequence 282 AA;
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Best Local 8
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QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV

121 121 181 181 241 241

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WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV

TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel isolated tumor-associated antigenic target polypeptides which are useful as targets for cancer therapy and diagnosis in mammals,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Smith V;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           in vitro, e.g., in an enzyme linked immunosorbent assay (ELISA) «
Western blot. The antibodies are also useful for treating a TAT-
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205. .209
/note= "Asn is N-glycosylated"
216. .220
                                                                                                 /note= "Asn is N-glycosylated"
220. .224
/note= "Asn is N-glycosylated"
258. .281
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2000WO-US032678.
2001WO-US006520.
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u TD, Zhang Z;
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Matches 282; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Goddard A, Gour
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                            Modified-site
                                                                          Modified-site
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01-DEC-2000;
28-FEB-2001;
                                                                                                                          Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Polypeptides comprising an immunogenic portion of an ovarian carcinoma protein or its variants, useful for stimulating an immune response in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
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Hill P, Albone E;
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0
                                                                                                                                                                                                                                immunostimulant; cytostatic; cancer; ovarian carcinoma.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein or its variants, useful for patient and treating ovarian cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Algate PA,
Carter D,
                                           ABP30901 standard; protein; 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ô
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2000US-00667857.
2001US-00827271.
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                                                                                                                                         entry)
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Matches 282; 'Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mitcham JL, King GE,
Reed SG, Vedvick TS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2002-164781/21.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
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20-SEP-2000;
04-APR-2001;
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                                                                                      ABP30901;
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                                                                                                                                                                                                                                Human;
RESULT 12
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61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

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Human; B7-like protein; B7-L; reproductive disorder; autoimmune disease; proliferative disorder; infertility, hyperplasia; cancer; lung; breast; brain; seminal vesicle; haematopoietic system; tumour; diabetes mellitus; rheumatoid arthritis; systemic lupus erythematosia; toxic shock syndrome; inflammatory bowel disease; psoriasis; allergy; Crohn's disease; vaccine; Grave's disease; arteriosclerosis; multiple sclerosis; hypersensitivity; mephropathy; skin disorder; endocrinopathy; vasculopathy; gynaecological; myasthenia ravis; anaemia; lymphoproliferative disorder; neuroprotective; cytostatic; multiple myelom; tissue-degenerating disease; nephrotropic; immunosuppressive; asthma; virucide; gene therapy.
transcribed from breast tissue, and the polypeptides encoded by them. These are useful for detecting, diagnosing, staging, monitoring, prognosticating, in vivo imaging, preventing, treating, or determining the predisposition of an individual to diseases and conditions of the breast, such as breast cancer. Also provided are antibodies which specifically bind to BS265 proteins, and agonists or inhibitors which prevent action of the proteins, and which are useful for treatment of breast disease, especially tumours and metastases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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                                                                                                                                                                                                                                                   ; Score 282; DB 5; I
; Pred. No. 2.8e-286;
0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE18336 standard; protein; 282
                                                                                                                                                                                                                                                     100.0%;
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                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
Matches 282; Conservative
                                                                                                                                                                                                           Sequence 282 AA;
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                                                                                                                                            QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
                                                 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
                                                                                                                                                                                                           WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New BS265 proteins and nucleic acids, useful for detecting, diagnosing, staging, monitoring, prognosticating, in vivo imaging, preventing, treating, or determining the predisposition of an individual to breast
                                                                                                                                                                                                                                     WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gordon J;
Roberts-Rapp LA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             human; breast; cancer; tumour; metastasis; diagnosis;
                                                                                                                                                                                                                                                                                               TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Klass MR, Kratochvil JD,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABB76274 standard; protein; 282
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98US-00193944.
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Hodges SC,
Stroupe SD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Breast BS265 polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COHEN M.
COLPITTS T L.
PRIEDMAN P N.
GORDON J.
GRANADOS E N.
HODGES S C.
KLASS M R.
KRATOCHVIL J D
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18-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-AUG-2002
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(COHE/)
(COLP/)
(FRIE/)
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(KRAT/)
(ROBE/)
(RUSS/)
(STRO/)
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(GRAN/)
(HODG/)
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110

ABB 76274

ABB 76
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240

120 120 180 180 240

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Gaps

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Length 282 Indels Page 12

Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.

Amino acid sequence of the OREO gene B)

(first entry)

30-JUL-2002

ABB09879

ABB09879 standard; protein; 282 AA.

RESULT 15

ABB09879

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The present invention relates to an isolated B7-like (B7-L) polypeptide and its polynuclectide. B7-l and its modulators are useful for treating reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L are useful for enhancing the immune response to tumours. B7-l plays a role in growth and maintenance of cancer cells based on the observation of seminal vesicle hyperplasia in transgenic mice overexpressing B7-L. Modulators of ER-l are useful for the treatment of cancer og: seminal vesicle, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-l and their modulators are useful to treat cutoimmune diseases such as systemic lupus erythematosis, rheumatoid arthritis, immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as systemic lupus erythematosis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and diabetes mellitus. They are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival.

Modulators of B7-L are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, arteriosclerosis and vascular restenosis. Soluble B7-L serves as vaccine adjuvants.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      allosensitisation due to blood transfusions, and for treatment of multiple sclerosis, allergy, asthma and hypersensitivity reactions, nephropathies e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies, various pneumopathies, vasculopathies, madenia, thromobocytopaenia, Guillain-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. B7-L gene is useful in gene therapy and to map the locations of B7-L gene and related genes on chromosomes, as hybridisation probes in diagnostic assays, for isolating corresponding chromosomal B7-L genes, and to identify heritable tissue-degenerating diseases. The present
                                                                                                                                                                                                 Novel B7-like polypeptides, polynucleotides and their modulators useful for prevention and treatment of reproductive, immune and proliferative disorders, e.g. cancer, arteriosclerosis.
                                                                                                                                                                                                                                                                                                             Claim 13; Fig 1A-1B; 133pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sequence is human B7-L protein
                                                             Fang M;
                                                       Sullivan JK,
                                                                                                               2002-171639/22
  (AMGE-) AMGEN INC.
                                                    Fox M,
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120 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 240 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADOVIVGNASLRLKNV 120 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV Gaps ö Length 282; Indels TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 TESEIKRRSHLQLINSKASLCVSSFFAISWALLPLSPYLMLK 282 100.0%; Score 282; DB 5; I 100.0%; Pred. No. 2.8e-286; .; 0 0; Mismatches Query Match 100. Best Local Similarity 100. Matches 282; Conservative Sequence 282 AA; 61 19 121 181 181 241 121 요 g 8 ð g ò g ò ઠે

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MASLGQILFWSIISIIIILAGAIALIIGFGIRSCRHSITVTTVASAGNIGEDGILSCTFEP

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The OREO (Ople
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RDA of Epithelial Tissue vs. Ovary tumour) gene is a novel gene, also designated gene B. This gene was identified by representational difference analysis (RDA) screening, and is selectively expressed by certain human ovarian tumours. The specification also describes gene A, identified by the same method. Gene A and B polynucleotides are useful for detecting ovarian cancer. Their polypeptides are useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                polynucleotide and corresponding antigens from human ovarian cancer is, useful for treatment and diagnosis of ovarian cancer.
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                                                                                                                                                /note= "predicted transmembrane domain"
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/note= "N-glycosylation site"
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N-PSDB; ABL56582.
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es 282; Conserv
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07773;
01-0CT-2003 (TrEMBLrel. 25, Created)
01-0CT-2003 (TrEMBLrel. 25, Last sequence update)
25-0CT-2004 (TrEMBLrel. 28, Last annotation update)
Immune costimulatory protein B7-H4 (T cell costimulatory molecule B7x)
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura H.
Chapoval A.I., Flies D.B., Bajorath J., Chen L.;
Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
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Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.;
"B7x: a widely expressed B7 family member that inhibits T cell
082ut7
07u3c8
07u3c8
083y43
083y43
093tr9
092tr9
066w22
07u9z8
07u9z8
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                                                                                                                                                       YGP9 YEAST
Q6ADS0
Q6CWZ2
Q7U9Z8
HEMA PT1HW
057310
Q77Z22
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HTPX STRMU
Q92TR9
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Q7V3T7
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Q8k091
Q7tspb5
Q7tspb5
Q9bxd1
Q8bxd1
Q8bxd1
Q862x1
Q663x1
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                             GenCore version (c) 1993 - 2005
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Gapop 60.0 , Gapext 60.0
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Q6DRE6
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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   InterPro, IPR007110; Ig-like.
SMART, SM0409; IG; IL:
PROSITE; PS50835; IG LIKE; 2.
SEQUENCE 282 AA; 30893 MW; 6F9066999AIE9DB4 CRC64;
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                                                                                                                                                     80.9%; Score 228; DB 2;
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Matches 228; Conservative
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Name=B7-H4;
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Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M. Madan A. Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S., Kzzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J., Marra M.A.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo
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Director MGC Project;
Submitted (UMN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; AY280972; AAP37283.1; -.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro; IPR007110; Ig-like.
Pfam; PR00047; ig; 1.
SEQUENCE: PS50835; IG LIEE; 2.
SEQUENCE: 282 AA, 30878 MW; 1C9C565A9242E78C CRC64;
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01-MMR-2001 (TrEWBLrel. 16, Last sequence update)
01-OCT-2003 (TrEWBLrel. 25, Last annotation update)
Hypothetical protein FLJ22418.
                                                                                                                                                                                                                                                                                                                                 Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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100.0%; Pred. No. 5.6e-286;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL, AX346100; AAQ24206.1; -. EMBL, AX358325; AAQ88718.1; -. EMBL, BC074729; AAH74729.1; -. HSSP, Q63345; 1PV0.
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                                                                                                                                                                                                                                                                                                     and mouse cDNA sequences.
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Q7TSP5;
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Matches
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Q7TPH5
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Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Altschul S.F., Zeeberg B., Buetow K.H., Stanefer C.F., Bhat N.K.,
Datchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Carannor T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Tooshiyuki S., Carninci P., Frange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Richards S., Worley K.C., Hale S., Gardara A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Richards S., Worley K.C., Hale S., Gardara B.J., Lu X., Gibbs R.A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
And Jones S.J., Marra M.A.,
Jones S.J., Marra M.A.,
Todeneration and initial analysis of more than 15,000 full-length human
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                                                                                                                                                                                                              156 NVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLY 215
                                                                                                                                                                                                                                        61 NVDYNASSETLRCEAPRWFPQPTVVWASQVDQANFSEVSNTSFELNSENVTMKVVSVLY 120
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                                                                                                                                                                                                                                                                                                             216 NVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLQLLNSKASLCVSSFFAISWALLPL 275
                                                                                                                                       1 MFRGRIAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEV 60
                                                                                                                96 MFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEV
                                                                  Gaps
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
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MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
ABDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
               Length 187;
                                                                  0; Indels
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Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases
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01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
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               Score 187; DB 2; Le
Pred. No. 9.4e-187;
66.3%; Sco...
100.0%; Pred. No. ...
0; Mismatches
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HSSP; Q63345; 1PKO.
                                                                  Conservative
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SPYLMLK 187
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                                      Similarity
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               Query Match
Best Local (
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Length 283;

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                                  Gaps
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
NCBI_TaxID=10090;
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05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Immune costimulatory protein B7-H4 (T cell costimulatory molecule
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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100.0%; Pred. No. 9e-55;
ive 0; Mismatches 0; Indels
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Immunity 18:863-873(2003).

EMBL, AN322147, AAP88965.1; -.

HSSP, QG3351, IPRO.

InterPro; IPRO03599; IG.

InterPro; IPRO07110; IG-like.

SMART; SM00409; IG; 1.

SEQUENCE 283 AA; 30847 MW; A97F17461857850B CRC64;
                                                                                                                                                                                                                                                                                                                                              01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
               Pred. No. 9e-55;
Mismatches 0;
                                                                                                                                                                                                                                                                                                         283 AA.
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01-OCT-2003 (TrEMBLrel, 25, Last seq
05-JUL-2004 (TrEMBLrel, 27, Last ann
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100.0%; Pre-
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Best Local Similarity 100.0
                              61; Conservative
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SEQUENCE FROM N.A.
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                                                                                                         Q8HXD1;
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Matches
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                                                                   RESULT 8
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                                                                                                                                                                                                                                  181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                                                                                                                                                                 . .; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=21142511; PubMed=11208783; DOI=10.1128/JB.183.3.865-872.2001; Anderson J.B., Wickens C., Khan M., Cowen L.E., Federspiel N., Jones T., Kohn L.M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=SC5314;
Federspiel N.A., Jones T., Scherer S., Hansen N., Bivolarevic V.,
Huizar L., Komp C., Surzycki R., Tamse R., Altefi H., Aparicio A.M.,
Araujo R., Au M., Aviles Campo F., Bruno D., Conn L., Faulkner D.,
Gurjal M., Kalman S., Kurdi O., Smith M., Allen E., Marziali A.,
Glukhov S., Proctor M., Thorstenson Y., Willis T.D., Davis R.W.;
Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.

EMBL, AF285261, AAG59596.2:
                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Infrequent genetic exchange and recombination in the mitochondrial genome of Candida albicans."; J. Bacteriol. 183:865-872(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GO; GO:0005739; C:mitochondrion; IEA.
GO; GO:0008137; F:NADH dehydrogenase (ubiquinone) activity; IEA.
GO; GO:0006120; P:mitochondrial electron transport, NADH to u.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes; Saccharomycetales; mitosporic Saccharomycetales; Candida. NCBI_TaxID=237561;
               MEDIINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100; Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.; "B7x: a widely expressed B7 family member that inhibits T cell
                                                                                                                                                                              Length 283;
                                                                                                                                                                 Score 61; DB 2; Lengtn 2007; Pred. No. 98-55;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 84;
                                                                                                             HSSP, Q63345, 1PKO.
InterPro; IRR007110; Ig-like.
PROSITE; PSC0835; IG LIKE; 2.
SEQUENCE 283 AA, 30875 MW; 7E2F174618578519 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        84 AA; 9220 MW; 16C2093CACE79CD3 CRC64;
                                                         activation.";
Proc. Natl. Acad. Sci. U.S.A. 100:10388-10392(2003).
EMBL; AY380973; AAB77284.1; -.
EMBL; AY346099; AAQ24205.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                (TrEMBLrel. 17, Created)
(TrEMBLrel. 25, Last sequence update)
(TrEMBLrel. 26, Last annotation update)
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100.0%; Pred. No. 8.3;
tive 0; Mismatches
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100.0%; Pred. No. ...
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Interpro; IPR003214; Oxidred4L.
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                                                                                                                                                                                                          61; Conservative
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Matches 8; Conserva
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                                                                                                                                                                                                                                                                                                                  T 241
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01-OCT-2003
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Best Local 9
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8; Conservative

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SEQUENCE FROM N.A.

TISSUE=Frontal lobe left;

MEDLINE=21458551; PubMed=11574149; DOI=10.1016/S0378-1119(01)00665-5;
Osada N., Hida M., Kusuda J., Tanuma R., Iseki K., Hirata M., Suto Y.,
Hirai M., Terao K., Suzuki Y., Sugano S., Hashimoto K.;
"Assignment of 118 novel cDNAs of cynomolgus monkey brain to human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=Massachusetts / B88;
MEDLINE=22457253; PubMed=12552129; DOI=10.1073/pnas.0335853100;
Brueggemann H., Baeumer S., Fricke W.F., Wiezer A., Liesegang H.,
Decker I., Herzberg C., Martinez-Arias R., Merkl R., Henne A.,
Gottschalk G.;
                                                                                                                                                               OL-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
10-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Macaca fascicularis (Crab eating macaque) (Cynomolgus monkey)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Clostridium tetani.
Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae;
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Hashimoto K., Osada N., Hida M., Kusuda J., Sugano S.;
Submitted (OCT-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AB093659; BAC21633.1; --
Hypothetical protein.
SEQUENCE 106 AA; 11676 MW; 6F6420F390EA53C3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2004 (TrEMBLrel. 26, Last annotation update)
Putative transcriptional regulator (PadR family).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             tetanus disease.";
Proc. Natl. Acad. Sci. U.S.A. 100:1316-1321(2003).
EMBL; ARO15938; ARO35216.1;
INTERPRO; IPRO05149; PadR.
INTERPRO; IPRO09058; Wing_hlx_DNA_bnd.
PF03551; PadR; 1.
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2.8%; Score 8; DB 2.
Local Similarity 100.0%; Pred. No. 10;
hes 8; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                       Cercopithecinae; Macaca.
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54 IIIILAGA 61
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GG; GO:0005544, F.Arp binding; IEA.
GG; GO:0005411; F.oxidoreductase activity; IEA.
GG; GO:0016411; F.oxidoreductase activity; IEA.
GG; GO:0006118; P:electron transport; IEA.
InterPro; IRR00032; NitrogenaseII.
Pfam; PF00142; Fer4 Niffy 1.
PROSITE; PS00746; NIFH_FRXC_1; 1.
PROSITE; PS00746; NIFH_FRXC_1; 1.
NOW_TER 11 11
NOW_TER 141 141
SEQUENCE 141 AA; 14987 MW; 15AAADCEB162617C CRC64;
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Ohkuma M., Noda S., Kudo T.;
"Phylogenetic diversity of nitrogen fixation genes in the symbiotic microbial community in the gut of diverse termites.";
Appl. Environ. Microbiol. 65:4926-4934(1999).
-! SIMILARITY: Belongs to the nifH / bchL / chlL family.
ENBL; AB011904; BAA28439.1; -.
HSSP; P00456; ICP2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-AUG-1998 (TrEMBLrel. 07, Created)
01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Alpha subunit of dinitrogenase reductase (Re protein) (Fragment).
Mol. Reprod. Dev. 65:9-18(2003).

- 1- SIMILARITY: Belongs to the ribosomal protein Lilp family.

R EMBL; AB098784; BAC56320.1; -

R GO; GO:0005840; C:ribosome; IEA.

R GO; GO:0005335; F:structural constituent of ribosome; IEA.

R GO; GO:0006412; P:protein biosynthesis; IEA.

R GO; GO:0006412; P:protein biosynthesis; IEA.

R Pfam; PF00298; Ribosomal Lil; I.

R Pfam; PF003946; Ribosomal Lil; I.

R PROSITE; SW00649; RLII; 1.

R PROSITE; PS00399; RIBOSOMAL Lil; 1.

R RIbonucleoprotein; Ribosomal protein.
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2.8%; Score 8; DB 2;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 8; Conservative 0; Mismatches
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01-JUN-2003 (TrEMBLrel. 24, Created)
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nes 8; Conservative
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SEQUENCE
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Q862L6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Ribbosomal protein L12 (Fragment).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neotaleostei;
Sparidae; Pagrus. Acanthopterygii; Percomorpha; Perciformes; Percoidei;
Sparidae; Pagrus.
NCBI_TaxID=143350;
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
11-OCT-2003 (TrEMBLrel. 25, Last annotation update)
12-OCT-2003 (TrEMBLrel. 25, Last annotation update)
13-OCT-2003 (TrEMBLrel. 25, Last an
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Chen S.L., Xu M.Y.;
Chen S.L., Xu M.Y.;
Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
-! SIMILARITY: Belongs to the ribosomal protein L11P family.
EMBL; AY190964; AA02747.1; -.
GO; GO:0005840; C:ribosome; IEA.
GO; GO:0005841; F:structural constituent of ribosome; IEA.
GO; GO:0006412; P:protein biosynthesis; IEA.
InterPro; IPR00991; Ribosomal L11; I.
SMART; SM00649; RL11; 1.
                                                                                               Length 106;
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         106 AA; 12356 MW; 2D2ECFC628204CDF CRC64;
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100.0%; Pred. No. 11.
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                                                                                                                                                  10;
                                                                                           Query Match 2.8%; Score 8; DB 2
Best Local Similarity 100.0%; Pred. No. 10;
Matches 8; Conservative 0; Mismatches
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nes 8; Conservative
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SEQUENCE FROM N.A.
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                                                                                                                                                          LISSUE=Embryo;
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                                                                                                                                                                                        MEDLINE=2254902; PubMed=12658628; DOI=10.1002/mrd.10292; Ishiwata H., Katsuma S., Kizaki K., Patel O.V., Nakano H., Takahashi T., Imai K., Hirasawa A., Shlojima S., Ikwa H., Suzuki Y., Takahashi T., Imai K., Hirasawa A., Shlojima S., Ikwa H., Suzuki Y., Toujimoto G., Izaike Y., Todoroki J., Hashizume K.; Todoroki J., Hashizume K.; "Characterization of gene expression profiles in early bovine pregnancy using a custom cDNA microarray."; Mol. Reprod. Dev. 65:9-18(2003).

-I. SIMILARITY: Balongs to the ribosomal protein L11P family. EMBL; AB098866; BAC56456.1; -...
HSSP; P29395; IMMS.
G.) GO:0005409; C:ribosome; IEA.
GO; GO:0005409; C:ribosome; IEA.
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Kenopus tropicalis (Western clawed frog) (Silurana tropicalis).

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;

Kenopodinae; Xenopus.
                                                                           Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Cetartiodactyla, Ruminantia, Pecora, Bovidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 145;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     145 AA; 15690 MW; 386D68BD728102D3 CRC64;
01-JUN-2003 (TrEMBLrel. 24, Last sequence update) 01-OCT-2003 (TrEMBLrel. 25, Last annotation update) Similar to ribosomal protein L12 (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                          GO; GO:0006412; P:protein biosynthesis; IEA InterPro; IPR000911; Ribosomal Lil. Pfems Pfems Pro1994; Ribosomal Lil.; Pfem; PF03946; Ribosomal_Lil.N; 1.
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Ribonucleoprotein; Ribosomal protein.
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                                                               Bos taurus (Bovine).
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                                                                                                                   Bovinae, Bos.
NCBI TaxID=9913;
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Q68F82;
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Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.";
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STRAIN=NOD; TISSUB=Thymus;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRAIN=NOD; TISSUE=Thymus; MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9; Carninci P., Hayashizaki Y.; Hajashizaki Y.; Mejashizaki Y.; Mejashizaki Y.; Mejashizaki Y.; Mejashizaki Y.; Mejashizaki Y.; Meth. Enzymol. 303:19-44(1999).
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Mus musculus 2 days neonate thymus thymic cells cDNA, RIKEN full-
length enriched library, clone:E430018F03 product:ribosomal protein
L12, full insert sequence.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus
NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=NOD; TISSUE=Thymus; MEDLINE=2108655500; MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500; RIKEN FANTOM CONSORTIUM; "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
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                                                                                                                                                                                                                                                                      Klein S. Gerhard D.S.; Submitted (AUG-2004) to the EMBL/GenBank/DDBJ databases.
-!- SIMILARITY: Belongs to the ribosomal protein Lilp family.
EMBL; BC079961; AAH79961.1; -.
InterPro; IPR000911; Ribosomal Lil.
Pfam; PF00298; Ribosomal Lil; 1.
Pfam; PF00298; Ribosomal Lil; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 153;
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                                                                                                                                                            Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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100.0%; Pred. No. 14;
iive 0; Mismatches
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01-WAR-2003 (TrEMBLrel. 23, Last seq
01-WAR-2004 (TrEMBLrel. 26, Last ann
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Best Local Similarity 10v.v.
8; Conservative
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The FANTOM Consortium,
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CSTRAIN-NOD; TISSUE-Thymus;
Adachi J., Aizawa K., Akimura T., Arakawa T., Bono H., Carninci P.,
Adachi J., Aizawa K., Hanagaki T., Hara A., Hashizume W.,
A Fukuda S., Furuno M., Hanagaki T., Hara A., Hashizume W.,
A Hayashida K., Hayatsu N., Hiramoto K., Hiraoka T., Hirozane T.,
A Hori F., Imotani K., Ishii Y., Itoh M., Kagawa I., Kaukawa T.,
A Katoh H., Kawai J., Kojima Y., Kondo S., Konno H., Kouda M., Koya S.,
Kurihara C., Matsuyama T., Miyazaki A., Murata M., Nakamura M.,
A Nishi K., Nomura K., Numazaki R., Ohno M., Ohsato N., Okazaki Y.,
Saito R., Saitoh H., Sakai C., Sakai K., Sakazume N., Sano H.,
A sasaki D., Shibata K., Shinagawa A., Shiraki T., Sogabe Y., Tagami M.,
A Tagawa A., Takahashi F., Takaku Akahira S., Takeda Y., Tanaka T.,
Tomaru A., Toya T., Yasunishi A., Muramatsu M., Hayashizaki Y.;
Submitted (Apr-2002) to the EMBL/GenBank/DDBJ databases.
E. Similakity: Belongs to the ribosomal protein Lilp family.
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"Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes."; Genome Res. 10:1617-1630(2000).
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                                                                                                                                                                 MEDLINE-20530913; PubMed=11076861; DOI=10.1101/gr.152600; Shibata K., Ttoh M., Alzawa K., Nagaoka S., Sasaki N., Carninci P., Shibata Y., Itoh M., Alzawa K., Nagaoka S., Sasaki N., Carninci P., Sumi N., Ishii Y., Nakamara S., Hazama M., Nishine T., Harada A., Yamamocto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashikwagi K., Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watshikwagi K., Proneda Y., Ishikwa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Rishikwa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Rishikwa T., Ozawa K., Tanaka T., Hayashizaki Y., Rishikwa T., Ozawa K., Tanaka T., Hayashizaki Y., Rishikwa T., Sakaguchi S., Kawai J., Rishikwa T., Kira A., Hayashizaki Y., Rishikwa T., Rishikwa T., Kira A., Hayashizaki Y., Rishikwa T., Rishikwa T., Kira A., Hayashizaki Y., Rishikwa T., Rishikwa T., Kira A., Hayashizaki Y., Rishikwa T., Rishikwa T., Kira A., Hayashizaki Y., Rishikwa T., Kira A., Hayashizaki Y., Rishikwa T., Rishikwa T., Kira A., Hayashizaki Y., Rishikwa T., Rishikwa T., Kira A., Hayashizaki Y., Rishikwa T., Kira A., Hayashizaki Y., Rishikwa T., Kira A., Hayashizaki Y., Kira A., Hayashizaki Y., Kira A., Hayashizaki Y., Kira A., Hayashizaki Y.
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Ribonucleoprotein; Ribosomal protein.
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GO; GO:0005515; F:protein binding; IPI.
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